



PRODUCT CATALOG

CYTOKINES ✦ GROWTH FACTORS ✦ CHEMOKINES ✦ INTERLEUKINS



Why Shenandoah?

- ➔ 4 Convenient Product Sizes
- ➔ High Quality Products
- ➔ Made in the USA
- ➔ Competitive Pricing





ANIMAL FREE CYTOKINES

SHENANDOAH'S PREMIER PROTEINS

Shenandoah is proud to announce our new Animal Free Protein products. These products are produced using Animal Free raw components and processes, in a non-mammalian system, to produce the highest quality recombinant proteins. Animal Free proteins are ideal for researchers concerned about the ever-present risk of contaminating viruses, prions and trace growth factors from FBS and animal-derived ingredients typically used in standard recombinant protein production techniques. Shenandoah takes the necessary steps to ensure that Shenandoah's Animal Free Proteins are produced under stringent protocols, with strict standards, and documented accordingly.

Shenandoah's Animal Free Production Process:

- NO FBS or Animal-Derived Ingredients
- Non-mammalian production system (E.coli-based system)
- Animal Free facility, fermentor, columns, filters, labware, lyophilization and storage

Shenandoah's Animal Free Quality Standards (*product-specific exceptions are noted when applicable):

- Endotoxin levels are <1.0 EU per ug protein (included on lot-specific COA)
- Purity levels are 95% or greater (included on lot-specific COA)
- Bioactivity is comparable to recombinant protein produced in traditional techniques (included on lot-specific COA if/when available)

Shenandoah's Animal Free Documentation:

- Certificate of Analysis - included with each product
- Certificate of Origin - available upon request
- Additional Documentation - available upon request
 - Amino acid analysis
 - Protein concentration determination
 - Lot-specific SDS-PAGE
 - Lot-specific endotoxin via LAL analysis
 - Lot-specific bioactivity (if available)

Shenandoah's Animal Free Proteins Common Uses:

- Stem cell cultures
- Serum free growth media supplementation
- Cell therapy studies
- Other ex vivo pre-clinical research

These products are for RESEARCH PURPOSES ONLY and are not FDA approved for any uses in humans.

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Catalog Number	Product	Mini Pack (ug)	US List*	STD Pack (ug)	US List*	Value Pack (ug)	US List*	Large Pack (Mg)	US List*
100-43	Human Activin A	2ug	60	10ug	151	100ug	485	1mg	4800
100-43AF	Human Activin A (AF)	2ug	65	10ug	165	100ug	535	1mg	5280
200-29	Mouse Activin A	2ug	60	10ug	151	100ug	485	1mg	4800
200-29AF	Mouse Activin A (AF)	2ug	65	10ug	165	100ug	535	1mg	5280
300-06	Rat Activin A	2ug	60	10ug	151	100ug	485	1mg	4800
300-06AF	Rat Activin A (AF)	2ug	65	10ug	165	100ug	535	1mg	5280
100-23	Human Artemin	5ug	60	20ug	150	100ug	375	1mg	2700
100-24	Human BAFF	5ug	60	20ug	150	100ug	485	1mg	4800
100-27	Human Beta-cell Attracting Chemokine 1 (CXCL13)	5ug	60	20ug	150	100ug	375	1mg	2700
100-01	Human Brain Derived Neurotrophic Factor	2ug	60	10ug	150	100ug	485	1mg	4800
100-53	Human Bone Morphogenetic Protein-2	2ug	60	10ug	150	100ug	485	1mg	4800
100-25	Human CD40 Ligand	10ug	60	50ug	150	NA	NA	1mg	1200
100-25AF	Human CD40 Ligand (AF)	10ug	65	50ug	165	NA	NA	1mg	1320
200-10	Mouse CD40 Ligand	5ug	60	25ug	150	100ug	375	1mg	2700
100-36	Human Chemerin	5ug	60	25ug	150	100ug	375	1mg	2700
100-59	Human Ciliary Neurotrophic Factor	5ug	60	20ug	150	100ug	375	1mg	2700
100-60	Human Connective Tissue Growth Factor	5ug	60	20ug	150	100ug	375	1mg	3200
100-26	Human Epidermal Growth Factor	100ug	60	500ug	150	NA	NA	1mg	220
100-26AF	Human Epidermal Growth Factor (AF)	100ug	65	500ug	165	NA	NA	1mg	240
200-53	Mouse Epidermal Growth Factor	100ug	60	500ug	150	NA	NA	1mg	220
300-05	Rat Epidermal Growth Factor	20ug	60	100ug	151	NA	NA	1mg	900
100-07	Human Endocrine Gland Vascular Endothelial Growth Factor	5ug	60	20ug	150	100ug	375	1mg	2700
200-35	Mouse Exodus-2 / CCL21	5ug	60	20ug	151	100ug	375	1mg	2700
100-31	Human Fibroblast Growth Factor-4	5ug	60	25ug	150	100ug	375	1mg	2700
200-13	Mouse Fibroblast Growth Factor 9	2ug	60	10ug	150	100ug	375	1mg	3600
300-27	Rat Fibroblast Growth Factor-9	2ug	60	10ug	150	100ug	375	1mg	3600
100-148	Human Fibroblast Growth Factor-21	5ug	60	20ug	150	100ug	375	1mg	2700
100-68	Human Fibroblast Growth Factor-22	5ug	60	20ug	150	100ug	485	1mg	4600
100-29	Human Fibroblast Growth Factor acidic	10ug	60	50ug	150	NA	NA	1mg	1200
200-48	Mouse Fibroblast Growth Factor acidic	10ug	60	50ug	150	NA	375	1mg	1200
200-12	Mouse Fibroblast Growth Factor basic	10ug	60	50ug	150	NA	375	1mg	1200
300-02	Rat Fibroblast Growth Factor-basic	10ug	60	50ug	151	NA	375	1mg	1200
300-02AF	Rat Fibroblast Growth Factor-basic (AF)	10ug	65	50ug	165	NA	375	1mg	1320
100-28	Human Fibroblast Growth Factor 147 basic	10ug	60	50ug	150	NA	375	1mg	1200
100-28AF	Human Fibroblast Growth Factor 147 basic (AF)	10ug	65	50ug	165	NA	375	1mg	1320
100-146	Human Fibroblast Growth Factor 154 basic	10ug	60	50ug	150	NA	375	1mg	1000
100-146AF	Human Fibroblast Growth Factor 154 basic (AF)	10ug	65	50ug	165	NA	375	1mg	1100
100-21	Human Flt-3 Ligand	2ug	60	10ug	150	100ug	375	1mg	3600
100-21AF	Human Flt-3 Ligand (AF)	2ug	65	10ug	165	100ug	415	1mg	3960
200-06	Mouse Flt-3 Ligand	2ug	60	10ug	150	100ug	375	1mg	3600
100-41	Human Follistatin	5ug	60	20ug	151	100ug	485	1mg	4800
200-24	Mouse Follistatin	5ug	60	20ug	151	100ug	485	1mg	4800
100-174	Human Fractalkine (CX3CL1)	5ug	60	20ug	151	100ug	375	1mg	2700
100-156	Human globular ACRP-30	5ug	60	25ug	151	100ug	375	1mg	2700
100-30	Human Galectin-1	10ug	60	50ug	150	NA	NA	1mg	1200
100-154	Human Galectin-3	10ug	60	50ug	150	NA	NA	1mg	1200
100-72	Human Granulocyte Colony Stimulating Factor	10ug	60	10ug	150	100ug	485	1mg	4800
200-14	Mouse Granulocyte Colony Stimulating Factor	2ug	60	10ug	150	100ug	485	1mg	4800

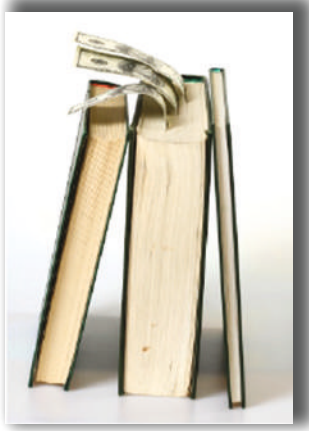
Catalog Number	Product	Mini Pack (ug)	US List*	STD Pack (ug)	US List*	Value Pack (ug)	US List*	Large Pack (Mg)	US List*
100-71	Human Growth and Differentiation Factor-5	2ug	60	50ug	150	NA	NA	1mg	1200
100-171	Human Growth and Differentiation Factor-15	10ug	60	20ug	150	100ug	375	1mg	3500
100-172	Human Growth & Differentiation Factor-15 (D variant)	5ug	60	20ug	150	100ug	375	1mg	3500
100-02	Human Glial Derived Neurotrophic Factor	2ug	60	10ug	150	100ug	485	1mg	4800
200-37	Mouse Glial Derived Neurotrophic Factor	2ug	60	10ug	151	100ug	485	1mg	4800
200-37AF	Mouse Glial Derived Neurotrophic Factor (AF)	2ug	65	10ug	165	100ug	535	1mg	5280
300-10	Rat Glial Derived Neurotrophic Factor	2ug	60	10ug	151	100ug	485	1mg	4800
300-10AF	Rat Glial Derived Neurotrophic Factor (AF)	2ug	65	10ug	165	100ug	535	1mg	5280
100-08	Human Granulocyte Macrophage Colony Stimulating Factor	5ug	60	20ug	150	100ug	375	1mg	2800
100-08AF	Human Granulocyte Macrophage Colony Stimulating Factor (AF)	5ug	65	20ug	165	100ug	415	1mg	3080
200-15	Mouse Granulocyte Macrophage-Colony Stimulating Factor	5ug	60	20ug	150	100ug	375	1mg	2800
300-03	Rat Granulocyte Macrophage-Colony Stimulating Factor	5ug	60	20ug	150	100ug	375	1mg	2800
100-40	Human Growth Hormone	100ug	60	500ug	150	NA	NA	5mg	600
100-32	Human Gro Alpha (CXCL1)	5ug	60	25ug	150	100ug	375	1mg	2700
200-23	Mouse Gro-alpha /KC (CXCL1)	5ug	60	20ug	150	100ug	375	1mg	2700
100-123	Human Gro-beta (CXCL2)	2ug	60	10ug	150	100ug	375	1mg	2700
100-170	Human Gro g / MacrophageInflammatory Protein-2 beta	2ug	60	10ug	150	100ug	375	1mg	2700
100-54	Human Interferon-alpha 2a	20ug	60	100ug	151	NA	NA	1mg	900
100-52	Human Interferon-alpha 2b	20ug	60	100ug	151	NA	NA	1mg	900
100-77	Human Interferon-gamma	20ug	60	100ug	150	NA	NA	1mg	1000
200-16	Mouse Interferon gamma	20ug	60	100ug	150	NA	NA	1mg	1000
300-04	Rat Interferon gamma	20ug	60	100ug	150	NA	NA	1mg	1000
100-34	Human Insulin-like Growth Factor I	20ug	60	100ug	150	NA	NA	1mg	250
100-34AF	Human Insulin-like Growth Factor I (AF)	20ug	65	100ug	165	NA	NA	1mg	275
200-05	Mouse Insulin-like Growth Factor I	10ug	60	50ug	150	NA	NA	1mg	1200
300-01	Rat Insulin-like Growth Factor I	10ug	60	50ug	150	NA	NA	1mg	1200
100-14	Human Insulin-like Growth Factor II	10ug	60	50ug	150	NA	NA	1mg	1100
100-173	Human Interleukin-1-alpha	2ug	60	10ug	151	100ug	485	1mg	4800
100-167	Human Interleukin-1-beta	2ug	60	10ug	150	100ug	375	1mg	3600
100-167AF	Human Interleukin-1-beta (AF)	2ug	65	10ug	165	100ug	415	1mg	3960
200-68	Mouse Interleukin-1 beta	2ug	60	10ug	150	100ug	485	1mg	4800
300-30	Rat Interleukin-1 beta	2ug	60	10ug	150	100ug	485	1mg	4800
100-12	Human Interleukin-2	10ug	60	50ug	150	NA	NA	1mg	650
100-12AF	Human Interleukin-2 (AF)	10ug	65	50ug	165	NA	NA	1mg	715
200-17	Mouse Interleukin-2	5ug	60	20ug	150	100ug	375	1mg	2500
100-80	Human Interleukin-3	2ug	60	10ug	150	100ug	375	1mg	2700
100-80AF	Human Interleukin-3 (AF)	2ug	65	10ug	165	100ug	415	1mg	2970
200-01	Mouse Interleukin-3	2ug	60	10ug	150	100ug	485	1mg	4000
200-01AF	Mouse Interleukin-3 (AF)	2ug	65	10ug	165	100ug	535	1mg	4400
100-09	Human Interleukin-4	5ug	60	20ug	150	100ug	375	1mg	3600
100-09AF	Human Interleukin-4 (AF)	5ug	65	20ug	165	100ug	415	1mg	3960
200-18	Mouse Interleukin-4	2ug	60	10ug	150	100ug	375	1mg	3400
200-18AF	Mouse Interleukin-4 (AF)	2ug	65	10ug	165	100ug	415	1mg	3740
200-20	Mouse Interleukin-5	5ug	60	25ug	150	100ug	375	1mg	2700
100-10	Human Interleukin-6	5ug	60	20ug	150	100ug	375	1mg	2700
100-10AF	Human Interleukin-6 (AF)	5ug	65	20ug	165	100ug	415	1mg	2970
200-02	Mouse Interleukin-6	2ug	60	10ug	150	100ug	485	1mg	3800
300-09	Rat Interleukin-6	2ug	60	10ug	150	100ug	485	1mg	4800

Catalog Number	Product	Mini Pack (ug)	US List*	STD Pack (ug)	US List*	Value Pack (ug)	US List*	Large Pack (Mg)	US List*
300-09AF	Rat Interleukin-6 (AF)	2ug	65	10ug	165	100ug	535	1mg	5280
100-11	Human Interleukin-7	2ug	60	10ug	150	100ug	485	1mg	4800
200-03	Mouse Interleukin-7	2ug	60	10ug	150	100ug	485	1mg	4800
100-82	Human Interleukin-9	2ug	60	10ug	150	100ug	485	1mg	4800
200-19	Mouse Interleukin-9	2ug	60	10ug	150	100ug	485	1mg	4800
100-83	Human Interleukin-10	2ug	60	10ug	150	100ug	485	1mg	4800
100-83AF	Human Interleukin-10 (AF)	2ug	65	10ug	165	100ug	535	1mg	5280
100-84	Human Interleukin-11	2ug	60	10ug	150	100ug	485	1mg	4800
200-64	Mouse Interleukin-11	2ug	60	10ug	150	100ug	485	1mg	4800
200-64AF	Mouse Interleukin-11 (AF)	2ug	65	10ug	165	100ug	535	1mg	5280
200-25	Mouse Interleukin-12	2ug	60	10ug	151	100ug	1200	1mg	7200
100-85	Human Interleukin-13	2ug	60	10ug	150	100ug	485	1mg	4800
200-22	Mouse Interleukin-13	2ug	60	10ug	150	100ug	485	1mg	4800
100-86	Human Interleukin-15	2ug	60	10ug	150	100ug	375	1mg	3600
200-07	Mouse Interleukin-15	2ug	60	10ug	150	100ug	375	1mg	3600
200-07AF	Mouse Interleukin-15 (AF)	2ug	65	10ug	165	100ug	415	1mg	3960
100-144	Human Interleukin-16	2ug	60	10ug	150	100ug	485	1mg	4800
200-49	Mouse Interleukin-16	2ug	60	10ug	150	100ug	485	1mg	4600
100-87	Human Interleukin-17A	5ug	60	25ug	150	100ug	375	1mg	2700
200-59	Mouse Interleukin-17A	5ug	60	25ug	150	100ug	375	1mg	2700
300-24	Rat Interleukin-17A	5ug	60	25ug	150	100ug	375	1mg	3800
100-161	Human Interleukin-17AF Heterodimer	5ug	60	25ug	150	100ug	485	1mg	4800
200-61	Mouse Interleukin-17AF Heterodimer	5ug	60	25ug	150	100ug	485	1mg	4800
300-29	Rat Interleukin-17AF Heterodimer	5ug	60	25ug	150	100ug	485	1mg	4800
100-149	Human Interleukin-17E (IL-25)	5ug	60	25ug	150	100ug	375	1mg	2700
200-60	Mouse Interleukin-17E (IL-25)	5ug	60	25ug	150	100ug	375	1mg	2700
300-25	Rat Interleukin-17E (IL-25)	2ug	60	10ug	150	100ug	375	1mg	3600
100-152	Human Interleukin-17F	5ug	60	25ug	150	100ug	375	1mg	2700
200-62	Mouse Interleukin-17F	5ug	60	25ug	150	100ug	375	1mg	2700
300-28	Rat Interleukin-17F	5ug	60	25ug	150	100ug	375	1mg	2700
100-88	Human Interleukin-19	2ug	60	10ug	150	100ug	485	1mg	4800
100-88AF	Human Interleukin-19 (AF)	2ug	65	10ug	165	100ug	535	1mg	5280
100-89	Human Interleukin-20	2ug	60	10ug	150	100ug	485	1mg	4800
100-90	Human Interleukin-21	2ug	60	10ug	150	100ug	485	1mg	4800
100-90AF	Human Interleukin-21 (AF)	2ug	65	10ug	165	100ug	535	1mg	5280
200-70	Mouse Interleukin-21	2ug	60	10ug	150	100ug	485	1mg	4800
100-91	Human Interleukin-22	2ug	60	10ug	150	100ug	485	1mg	4800
100-162	Human Epstein-Barr Virus Induced Gene 3	5ug	60	20ug	150	100ug	485	1mg	4800
100-162AF	Human Epstein-Barr Virus Induced Gene 3 (AF)	5ug	65	20ug	165	100ug	535	1mg	5280
200-57	Mouse Epstein-Barr Virus Induced Gene 3	2ug	60	10ug	150	100ug	485	1mg	4800
200-50	Mouse Interleukin-27 (p28)	2ug	60	10ug	150	100ug	485	1mg	4800
200-50AF	Mouse Interleukin-27 (p28) (AF)	2ug	65	10ug	165	100ug	535	1mg	5280
100-169	Human Interleukin-29	5ug	60	20ug	150	100ug	375	1mg	2700
200-71	Mouse Interleukin IL-31	2ug	60	10ug	151	100ug	485	1mg	4800
100-151	Human Interleukin-32 alpha	2ug	60	10ug	150	100ug	485	1mg	4800
100-145	Human Interleukin-33	2ug	60	10ug	150	100ug	485	1mg	4800
200-36	Mouse Interleukin-33	2ug	60	10ug	151	100ug	485	1mg	4800
200-36AF	Mouse Interleukin-33 (AF)	2ug	65	10ug	165	100ug	535	1mg	5280

Catalog Number	Product	Mini Pack (ug)	US List*	STD Pack (ug)	US List*	Value Pack (ug)	US List*	Large Pack (Mg)	US List*
100-127	Human IP-10 (CXCL10)	5ug	60	25ug	150	100ug	375	1mg	2700
200-38	Mouse IP-10 (CXCL10)	5ug	60	25ug	150	100ug	375	1mg	2700
100-128	Human ITAC (CXCL11)	5ug	60	20ug	150	100ug	375	1mg	2700
100-37	Human Leptin	200ug	60	1000ug	150	NA	NA	5mg	220
200-26	Mouse Leptin	200ug	60	1000ug	150	NA	NA	5mg	450
300-14	Rat Leptin	200ug	60	1000ug	150	NA	NA	5mg	425
100-47	Human Leukemia Inhibitory Factor	5ug	60	25ug	151	100ug	375	1mg	2500
100-47AF	Human Leukemia Inhibitory Factor (AF)	5ug	65	25ug	165	100ug	415	1mg	2751
200-33	Mouse Leukemia Inhibitory Factor	5ug	60	20ug	151	100ug	485	1mg	4800
200-33AF	Mouse Leukemia Inhibitory Factor (AF)	5ug	65	20ug	165	100ug	535	1mg	5280
100-13	Human Monocyte Chemotactic Protein-1 (CCL2)	5ug	60	20ug	150	100ug	375	1mg	2700
200-39	Mouse Monocyte Chemotactic Protein-1 (CCL2)	2ug	60	10ug	150	100ug	375	1mg	2700
300-22	Rat Monocyte Chemotactic Protein-1 (CCL2)	2ug	60	10ug	150	100ug	375	1mg	2700
100-130	Human Monocyte Chemotactic Protein-2 (CCL8)	2ug	60	10ug	150	100ug	375	1mg	2700
200-63	Mouse Monocyte Chemotactic Protein-2 (CCL8)	2ug	60	10ug	150	100ug	375	1mg	2700
100-131	Human Monocyte Chemotactic Protein-3 (CCL7)	2ug	60	10ug	150	100ug	375	1mg	2700
200-40	Mouse Monocyte Chemotactic Protein-3 (CCL7)	2ug	60	10ug	150	100ug	375	1mg	2700
300-07	Rat Monocyte Chemotactic Protein-3 (CCL7)	2ug	60	10ug	151	100ug	375	1mg	2700
100-132	Human Monocyte Chemotactic Protein-4 (CCL13)	5ug	60	20ug	150	100ug	375	1mg	2700
100-03	Human Macrophage Colony Stimulating Factor	2ug	60	10ug	150	100ug	485	1mg	4800
200-08	Mouse Macrophage Colony Stimulating Factor	2ug	60	10ug	150	100ug	485	1mg	4800
100-153	Human Migration Inhibitory Factor	5ug	60	25ug	150	100ug	375	1mg	2700
100-15	Human Macrophage Inflammatory Protein-1 alpha (CCL3)	5ug	60	20ug	150	100ug	375	1mg	2700
200-42	Mouse Macrophage Inflammatory Protein-1 alpha (CCL3)	2ug	60	10ug	150	100ug	375	1mg	2700
300-23	Rat Macrophage Inflammatory Protein-1 alpha (CCL3)	5ug	60	20ug	150	100ug	375	1mg	2700
100-134	Human Macrophage Inflammatory Protein-1 beta (CCL4)	2ug	60	10ug	150	100ug	375	1mg	2700
200-43	Mouse Macrophage Inflammatory Protein-1 beta (CCL4)	2ug	60	10ug	150	100ug	375	1mg	2700
100-147	Human Macrophage Inflammatory Protein-3 alpha (CCL20)	5ug	60	20ug	150	100ug	375	1mg	2700
200-51	Mouse Macrophage Inflammatory Protein-3 alpha (CCL20)	5ug	60	20ug	150	100ug	375	1mg	2700
100-135	Human Macrophage Inflammatory Protein-3 beta (CCL19)	5ug	60	20ug	150	100ug	375	1mg	2700
200-44	Mouse Macrophage Inflammatory Protein-3 beta (CCL19)	5ug	60	20ug	150	100ug	375	1mg	2700
100-136	Human Macrophage Inflammatory Protein-4 (CCL18)	2ug	60	10ug	150	100ug	375	1mg	2700
100-22	Human Myostatin	2ug	60	10ug	150	100ug	485	1mg	4800
100-142	Human Myostatin Propeptide	5ug	60	25ug	150	100ug	485	1mg	4800
100-38	Human Nerve Growth Factor beta	5ug	60	20ug	150	100ug	375	1mg	2700
100-38AF	Human Nerve Growth Factor-beta (AF)	5ug	65	20ug	165	100ug	415	1mg	2970
200-11	Mouse Nerve Growth Factor beta	5ug	60	20ug	150	100ug	375	1mg	2700
100-46	Human Neuregulin 1-beta	10ug	60	50ug	151	NA	NA	1mg	1200
100-99	Human Neurotrophin-3	2ug	60	10ug	150	100ug	485	1mg	4800
200-21	Mouse Neurotrophin-3	2ug	60	10ug	150	100ug	485	1mg	4800
100-33	Human Neurotrophin-4	2ug	60	10ug	151	100ug	485	1mg	4800
100-16	Human Platelet Derived Growth Factor-AA	2ug	60	10ug	150	100ug	375	1mg	3500
100-16AF	Human Platelet Derived Growth Factor-AA (AF)	2ug	65	10ug	165	100ug	415	1mg	3850
200-54	Mouse Platelet Derived Growth Factor AA	2ug	60	10ug	150	100ug	375	1mg	3500
100-17	Human Platelet Derived Growth Factor-AB	2ug	60	10ug	150	100ug	375	1mg	3500
100-17AF	Human Platelet Derived Growth Factor-AB (AF)	2ug	65	10ug	165	100ug	415	1mg	3850
100-18	Human Platelet Derived Growth Factor-BB	2ug	60	10ug	150	100ug	375	1mg	3500
100-18AF	Human Platelet Derived Growth Factor-BB (AF)	2ug	65	10ug	165	100ug	415	1mg	3850

Catalog Number	Product	Mini Pack (ug)	US List*	STD Pack (ug)	US List*	Value Pack (ug)	US List*	Large Pack (Mg)	US List*
200-58	Mouse Platelet Derived Growth Factor BB	2ug	60	10ug	150	100ug	375	1mg	3500
100-164	Human Procalcitonin	2ug	60	10ug	150	100ug	485	1mg	4800
100-45	Human Prolactin	10ug	60	50ug	151	NA	NA	1mg	1200
100-19	Human soluble RANK Ligand	2ug	60	10ug	150	100ug	485	1mg	4800
200-04	Mouse soluble RANK Ligand	2ug	60	10ug	150	100ug	485	1mg	4800
100-138	Human RANTES (CCL5)	5ug	60	20ug	150	100ug	375	1mg	2700
200-45	Mouse RANTES (CCL5)	5ug	60	20ug	150	100ug	375	1mg	2700
300-26	Rat RANTES (CCL5)	5ug	60	20ug	150	100ug	375	1mg	2700
200-28	Mouse RELM alpha	5ug	60	25ug	150	100ug	375	1mg	2700
100-160	Human RELM beta	5ug	60	25ug	150	100ug	375	1mg	2700
200-69	Mouse RELM beta	5ug	60	25ug	150	100ug	375	1mg	2700
100-107	Human Resistin Dimer	5ug	60	25ug	150	100ug	485	1mg	4800
200-30	Mouse Resistin Dimer	5ug	60	25ug	151	100ug	485	1mg	4800
100-04	Human Stem Cell Factor	2ug	60	10ug	150	100ug	375	1mg	2600
100-04AF	Human Stem Cell Factor (AF)	2ug	65	10ug	165	100ug	415	1mg	2860
200-09	Mouse Stem Cell Factor	2ug	60	10ug	150	100ug	375	1mg	2700
300-32	Rat Stem Cell Factor	2ug	60	10ug	150	100ug	375	1mg	2700
100-20	Human Stromal Cell-Derived Factor-1 alpha (CXCL12)	2ug	60	10ug	150	100ug	375	1mg	2700
200-46	Mouse Stromal Cell-Derived Factor-1 alpha (CXCL12)	2ug	60	10ug	150	100ug	375	1mg	2700
100-159	Human Stromal Cell-Derived Factor-1 beta (CXCL12)	2ug	60	10ug	150	100ug	375	1mg	2700
200-67	Mouse Stromal Cell-Derived Factor-1 beta (CXCL12)	2ug	60	10ug	150	100ug	375	1mg	2700
400-01	Feline Stromal Cell-Derived Factor-1 beta (CXCL12)	2ug	60	10ug	150	100ug	375	1mg	2700
100-168	Human Sonic Hedgehog	5ug	60	25ug	150	100ug	375	1mg	2500
200-55	Mouse Sonic Hedgehog	5ug	60	25ug	150	100ug	375	1mg	2500
100-42	Human TARC (CCL17)	5ug	60	20ug	151	100ug	375	1mg	2700
100-39	Human Transforming Growth Factor beta 1	1ug	65	5ug	150	100ug	1950	1mg	8800
100-109	Human Transforming Growth Factor beta 3 (E. coli)	2ug	60	10ug	150	100ug	585	1mg	5800
100-109AF	Human Transforming Growth Factor beta-3 (AF)	2ug	65	10ug	165	100ug	645	1mg	6380
200-27	Mouse Transforming Growth Factor beta 3 (E.coli)	2ug	60	10ug	150	100ug	585	1mg	5800
100-35	Human Tumor Necrosis Factor Receptor Type 1	5ug	60	20ug	150	100ug	375	1mg	2700
100-111	Human Tumor Necrosis Factor alpha	10ug	60	50ug	150	NA	NA	1mg	1200
100-111AF	Human Tumor Necrosis Factor alpha (AF)	10ug	65	50ug	165	NA	NA	1mg	1320
200-31	Mouse Tumor Necrosis Factor alpha	5ug	60	20ug	150	100ug	375	1mg	2700
300-18	Rat Tumor Necrosis Factor alpha	5ug	60	20ug	150	100ug	375	1mg	2700
100-05	Human Thrombopoietin	2ug	60	20ug	150	100ug	485	1mg	4000
100-05AF	Human Thrombopoietin (AF)	2ug	65	10ug	165	100ug	535	1mg	4400
200-32	Mouse Thrombopoietin	2ug	60	10ug	150	100ug	485	1mg	4000
100-115	Human TRAIL	10ug	60	10ug	150	NA	NA	1mg	1200
100-165	Human Thymic Stromal Lymphopoietin	2ug	60	50ug	150	100ug	485	1mg	4800
200-52	Mouse Vascular Endothelial Growth Factor-120	2ug	60	10ug	150	100ug	375	1mg	3600
100-116	Human Vascular Endothelial Growth Factor-121	2ug	60	10ug	150	100ug	375	1mg	3600
100-116AF	Human Vascular Endothelial Growth Factor-121 (AF)	2ug	65	10ug	165	100ug	415	1mg	3960
100-44	Human Vascular Endothelial Growth Factor-165	2ug	60	10ug	150	100ug	375	1mg	3600
100-44AF	Human Vascular Endothelial Growth Factor-165 (AF)	2ug	65	10ug	165	100ug	415	1mg	3960
200-34	Mouse Vascular Endothelial Growth Factor-165	2ug	60	10ug	150	100ug	375	1mg	3600
300-31	Rat Vascular Endothelial Growth Factor-165	2ug	60	10ug	150	100ug	375	1mg	3600
100-50	Human Visfatin	5ug	60	25ug	151	100ug	375	1mg	2700

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