Interleukin-18 (IL18) Bovine Recombinant Protein

PRODUCT OVERVIEW

Product Name	Interleukin-18 (IL18), Recombinant Protein
Full Product Name	Recombinant Bovine Interleukin-18 (IL18)
Product Gene Name	IL18 recombinant protein
Product Synonym Gene Name	IL18
Sequence	HFGKLEPKLS IIRNLNDQVL FINQGNQPVF EDMPDSDCSD NAPQTIFIIY MYKDSLTRGL AVTISVQCKK MSTLSCENKI VSFKEMNPPD NIDNEESDII FFQRSVPGHD DKIQFESSLY KGYFLACKKE NDLFKLILKK QDDNRDKSVM FTVQNQN
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	22,347 Da
Sequence Positions	37-193, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9TU73
Species	Bovine
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for IL18 recombinant protein	This protein is a proinflammatory cytokine. This cytokine can induce the IFN-gamma production of T cells. The combination of this cytokine and IL12 has been shown to inhibit IL4 dependent IgE and IgG1 production, and enhance IgG2a production of B cells. IL-18 binding protein (IL18BP) can specifically interact with this cytokine, and thus negatively regulate its biological activity.
Other Notes	Small volumes of IL18 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IL18 purchase	MBS1284778 is a recombinant protein targeting IL18. Also known as Recombinant Bovine Interleukin-18 (IL18). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL18. It may not necessarily be applicable to this product.

NCBI GI #	27806575
NCBI GeneID	281249
NCBI Accession #	NP_776516.1

UniProt Primary Accession #	Q9TU73
UniProt Secondary Accession #	Q3SZF6; A9QWR6
UniProt Related Accession #	Q9TU73
GenBank Nucleotide #	NM_174091.2
NCBI Official Full Name	interleukin-18
NCBI Official Synonym Full Names	interleukin 18
NCBI Official Symbol	IL18
UniProt Protein Name	Interleukin-18
UniProt Synonym Protein Names	Interferon gamma-inducing factor; IFN-gamma-inducing factor; Interleukin-1 gamma; IL-1 gamma
Protein Family	Interleukin
UniProt Gene Name	IL18
UniProt Synonym Gene Names	IGIF; IL-18; IFN-gamma-inducing factor; IL-1 gamma
NCBI Protein Information	interleukin-18
UniProt Comments for IL18	Augments natural killer cell activity in spleen cells and stimulates interferon gamma production in T-helper type I cells.
Research Articles on IL18	**1.** These results suggest that BAPC-1 is a stem/progenitor cell line and modulates the immuno-endocrine function of the anterior pituitary cells through its production of interleukin-18 and the IL-18 receptor.
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