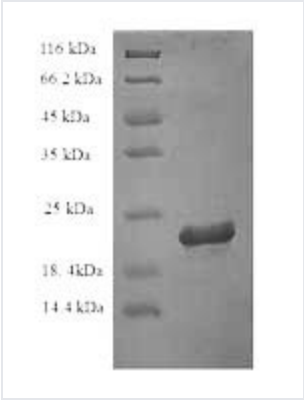
Interleukin-18 (IL18) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Interleukin-18 (Il18), Recombinant Protein
Full Product Name	Recombinant Rat Interleukin-18 protein
Product Gene Name	Il18 recombinant protein
Product Synonym Names	Interferon gamma-inducing factor; IFN-gamma-inducing factorInterleukin-1 gamma; IL-1 gamma
Sequence	HFGRLHCTTA VIRSINDQVL FVDKRNPPVF EDMPDIDRTA NESQTRLIIY MYKDSEVRGL AVTLSVKDGR MSTLSCKNKI ISFEEMNPPE NIDDIKSDLI FFQKRVPGHN KMEFESSLYE GHFLACQKED DAFKLVLKRK DENGDKSVMF TLTNLHQS
Host	E Coli
Form/Format	Liquid containing glycerol
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.
Molecular Weight	22.3 kDa
Sequence Positions	37-194aa; Full Length
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 P97636
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Il18 recombinant protein	Augments natural killer cell activity in spleen cells and stimulates interferon gamma production in T-helper type I cells.
Product References and Citations for Il18 recombinant protein	Induction of interferon-gamma inducing factor in the adrenal cortex.Conti B., Jahng J.W., Tinti C., Son J.H., Joh T.H.J. Biol. Chem. 272:2035-2037(1997) Cloning of rat brain interleukin-18 cDNA.Culhane A.C., Hall M.D., Rothwell N.J., Luheshi G.N.Mol. Psychiatry 3:362-366(1998) Cloning of the cDNA for interleukin-18 in PC12 and expression in Escherichia coli.Kim S.-J., Kim C.-S., Song K.-Y., Kim J.-S., Jung K.-S. IL-18 translational inhibition restricts IFN-gamma expression in crescentic glomerulonephritis.Garcia G.E., Xia Y., Ku G., Johnson R.J., Wilson C.B., Feng L.Kidney Int. 64:160-169(2003)
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	MBS1265525 is a recombinant protein targeting Il18. Also known as Recombinant Rat Interleukin-18 protein. Host: E Coli.



SDS-PAGE of Il18 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Il18. It may not necessarily be applicable to this product.

NCBI GI #	9506805
NCBI GeneID	29197
NCBI Accession #	NP_062038.1
UniProt Primary Accession #	P97636
UniProt Secondary Accession #	O88749; P97637; Q541E6
UniProt Related Accession #	P97636
GenBank Nucleotide #	NM_019165.1
NCBI Official Full Name	interleukin-18
NCBI Official Synonym Full Names	interleukin 18
NCBI Official Symbol	Il18
NCBI Official Synonym Symbols	IL-18
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
UniProt Entry Name	IL18_RAT
NCBI Protein Information	interleukin-18
NCBI Summary for Il18	a pro-inflammatory cytokine; acts as a modulator of immune functions [RGD, Feb 2006]
Research Articles on Il18	**1.** PMA treatment during a vulnerable period can alter brain development. IL-18 and IRAK-4 appear to be important for the development of PMA induced injury.
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