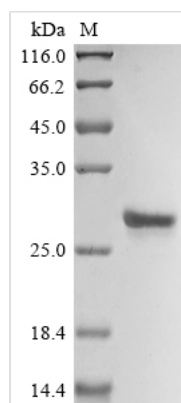




Recombinant Mouse Interleukin-18 (IL18)

Product Code	CSB-EP011608MO
Abbreviation	Recombinant Mouse IL18 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P70380
Storage Buffer	Tris-based buffer,50% glycerol
Product Type	Recombinant Proteins
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MAAMSEDSCVNFKEMMFIDNTLYFIPEENGDLSDNFGRLHCTTAVIRNINDQ VLFVDKRQPVFEDMTDIDQSASEPQTRLIIYMYKDSEVRGLAVTL SVKDSKMST LSCKNKIISFEEMDPPENIDDIQSDLIFFQKRVP GHNKMEFESSLYEGHFLACQK EDDAFKLILKKKDENGDKSVMFTLTNLHQS
Research Area	Immunology
Source	E.coli
Target Names	IL18
Protein Names	Recommended name: Interleukin-18 Short name= IL-18Alternative name(s): Interferon gamma-inducing factor Short name= IFN-gamma-inducing factor Interleukin-1 gamma Short name= IL-1 gamma
Expression Region	1-192aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	26.1 kDa
Protein Length	Full Length

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Description

Inserting the gene encoding the Mouse Il18 protein (1-192aa) into a plasmid vector results in the creation of recombinant plasmid, which is introduced into e.coli cells. e.coli cells that can survive in the presence of a specific antibiotic are selected, indicating successful uptake of the recombinant plasmid. The e.coli cells containing the recombinant plasmid are cultured under conditions promoting the expression of the gene of interest. A N-terminal 6xHis tag is linked to the protein. After expression, affinity purification is used to isolate and purify the recombinant Mouse Il18 protein from the cell lysate. Denaturing SDS-PAGE is then applied to resolve the resulting recombinant Mouse Il18 protein, revealing a purity level exceeding 85%.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.