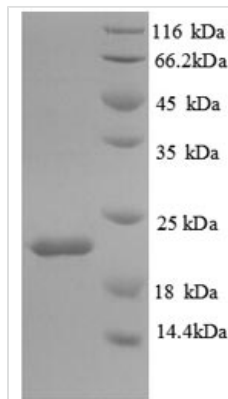




Recombinant Mouse Interleukin-18-binding protein (Il18bp)

Product Code	CSB-RP167694m
Relevance	Binds to IL-18 and inhibits its activity. Functions as an inhibitor of the early TH1 cytokine response .
Abbreviation	Recombinant Mouse Il18bp 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.	Q9Z0M9
Alias	Interferon gamma-inducing factor-binding protein
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	TSAPQTTATVLTGSSKDPCSSWSPAVPTKQYPALDVIWPEKEVPLNGTLTLSC TACSRFPYFSILYWLGNFSFIEHLPGRLEKEGHTSREHRNTSTWLHRALVLEEL SPTLRSTNFSCLFVDPGQVAQYHIILAQLWDGLKTAPSPSQETLSSHSPVSR AGPGVA
Research Area	Others
Source	E.coli
Target Names	Il18bp
Expression Region	29-193aa
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	22.0kDa
Protein Length	Full Length of Mature Protein
Image	



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

Description

To produce recombinant Mouse Il18bp protein, a well-established recombinant DNA technology is the key. A DNA template of Il18bp was constructed with N-terminal 6xHis tag using the technique. Once the template was made, the recombinant Mouse Il18bp protein could be produced with it efficiently. CUSABIO has built a strict QC system to ensure quality. The expression region is 29-193aa of the Mouse Il18bp. The purity of this recombinant is 90% determined by SDS-PAGE.

Il18bp (Igfbp) is a protein coding gene that encodes Interleukin-18-binding protein. According to some studies, Il18bp may have the following features. IL1R9 is evolutionarily related to IL18BP and may function as an IL-18 receptor. Plasma levels of IL18/IL18BP were elevated during the active stage of the disease, suggesting that it may play a role in the pathogenesis and process of ITP. Myocardial ischemia is a target of IL18BP, and the use of IL18BP may therefore reduce ischemia-induced myocardial dysfunction. All IL18BPs use a conserved inhibitory mechanism by blocking a putative receptor binding site on IL18, but the interface on IL18 can be altered by the broad and diverse family of mammalian and poxvirus IL18BPs.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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.