Recombinant Rat Interleukin-18 (Il18)

Product Code	CSB-EP011608RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P97636
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	HFGR LHCTTAVIRS INDQVLFVDK RNPPVFEDMP DIDRTANESQ TRLIIYMYKD SEVRGLAVTL SVKDGRMSTL SCKNKIISFE EMNPPENIDD IKSDLIFFQK RVPGHNKMEF ESSLYEGHFL ACQKEDDAFK LVLKRKDENG DKSVMFTLTN LHQS
Source	E.coli
Target Names	Il18
Protein Names	Recommended name: Interleukin-18 Short name= IL-18 Alternative name(s): Interferon gamma-inducing factor Short name= IFN-gamma-inducing factor Interleukin-1 gamma Short name= IL-1 gamma
Expression Region	37-194
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
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.