

IL-18 recombinant protein

Recombinant Mouse IL-18 Protein

CATALOG # AAA283380	HOST HEK293 cells
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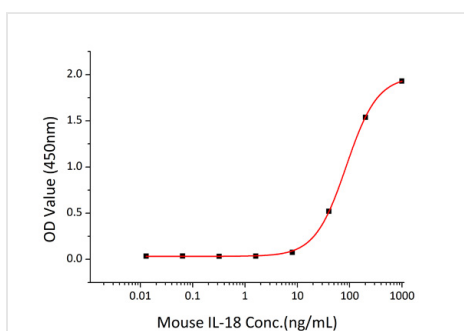
PRODUCT SYNONYMS

IL-18; Recombinant Mouse IL-18 Protein; Ig; IL-; Igif; IL-18; IL18; IL-18 recombinant protein

PRODUCT SPECIFICATIONS

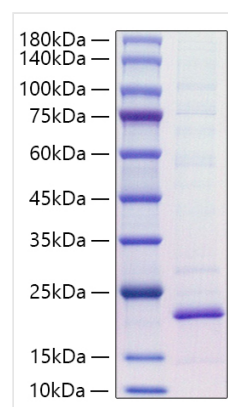
Host	HEK293 cells
Purity/Purification	>98% by SDS-PAGE.
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH8.0.
Sequence	NFGRLHCTTA VIRNINDQVL FVDKRQPVFE DMTDIDQSAS EPQTRLIYM YKDSEVRGLA VTLSVKDSKM STLSCKNKII SFEEMDPEN IDDIQSDLIF FQKRVPGHNK MEFESSLYEG HFLACQKEDD AFKLILKKKD ENGDKSVMFT LTNLHQ5
Species	Mouse
Tag	C-His
Endotoxin	<0.1EU/ug
Bio-Activity	Measured by its ability to induce IFN-gamma secretion by KG-1 human acute myelogenous leukemia cells in the presence of TNF-alpha . The ED ₅₀ for this effect is 42.93-171.72ng/mL, corresponding to a specific activity of 0.58×10 ⁴ ~2.3×10 ⁵ units/mg.
Preparation and Storage	Store at -20 degree C. Store the lyophilized protein at -20 degree C to -80 degree C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week.

IMAGES



Application Data

Recombinant Mouse IL-18 induce IFN-gamma secretion by KG-1 human acute myelogenous leukemia cells in the presence of TNF-alpha . The ED₅₀ for this effect is 42.93-171.72 ng/mL, corresponding to a specific activity of 0.58×10⁴~2.3×10⁵ units/mg.



SDS-PAGE

Recombinant Mouse IL-18 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 15-25 kDa.

ADDITIONAL INFORMATION

Related Product Information for IL-18 recombinant protein	Interleukin-18 (L-18) is a cytokine that belongs to the IL-1 superfamily and is produced by macrophages and other cells. IL-18 works by binding to the interleukin-18 receptor, and together with IL-12 it induces cell-mediated immunity following infection with microbial products like lipopolysaccharide (LPS). After stimulation with IL-18, natural killer (NK) cells and certain T cells release another important cytokine called interferon-gamma (IFN-gamma) or type II interferon that plays an important role in activating the macrophages or other cells. The combination of this cytokine and IL12 has been shown to inhibit IL-4 dependent IgE and IgG1 production, and enhance IgG2a production in B cells. IL-18 binding protein (IL18BP) can specifically interact with this cytokine, and thus negatively regulate its biological activity.
Product Categories/Family for IL-18 recombinant protein	Interleukin; Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	6680413
NCBI GeneID	16173
NCBI Accession #	NP_032386.1
NCBI GenBank Nucleotide #	NM_008360.1
UniProt Accession #	P70380
UniProt Protein Name	Interleukin-18
UniProt Gene Name	IL18
UniProt Synonym Gene Names	Igif; IL-18; IFN-gamma-inducing factor; IL-1 gamma
UniProt Entry Name	IL18_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/il18-recombinant-protein-hek293-cells/283380>