Active Recombinant Human IL18 protein, Fc-tagged

Cat. No. IL18-1575H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL18 protein(Phe20-Arg356), fused with Fc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	20-356 a.a.
Form	Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5.
Bio-activity	Biotinylated Human IL-18 R1, His,Avitag captured on Biotin CAP-Series S Sensor Chip can bind Human IL-18, Tag Free (Premixed with Human IL-18 R beta / IL-1 R7, Fc Tag) with an affinity constant of 5.87 nM as determined in a SPR assay (Biacore 8K).
Molecular Mass	This protein carries a human IgG1 Fc tag at the C-terminus.The protein has a calculated MW of 64.9 kDa. The protein migrates as 70-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Phe20-Arg356
Endotoxin	Less than 1.0 EU per μg by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	IL18 interleukin 18 (interferon-gamma-inducing factor) [Homo sapiens]
Official Symbol	IL18
Synonyms	IL18; interleukin 18 (interferon-gamma-inducing factor); interleukin-18; IGIF; IL 1g; IL 18; IL1F4; IL-1 gamma; iboctadekin; interleukin-1 gamma; IFN-gamma-inducing factor; IL-18; IL-1g; MGC12320;
Gene ID	3606
mRNA Refseq	NM_001243211
Protein Refseq	NP_001230140
MIM	600953
UniProt ID	Q14116

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