

Active GMP Recombinant Human IL18 Protein

Cat. No. IL18-153HG **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant HumanIL18 protein was produced in HEK293 cell in an animal component free process under cGMP guidelines.
Species	Human
Source	HEK293
ProteinLength	Tyr37-Asp193
Form	Lyophilized from a 0.2 m filtered solution of 20mM PBS, pH7.4, 6% mannitol.
Bio-activity	1.0*10 ⁶ IU Measured by its ability to induce IFN-gamma secretion by KG-1 human acute myelogenous leukemia cells in the presence of TNF-alpha.
Molecular Mass	The apparent molecular mass of recombinant Human IL18 is approximately 22 kDa in SDS-PAGE under reducing conditions.
AA Sequence	YFGKLESKLS VIRNLNDQVL FIDQGNRPLF EDMTDSDCRD NAPRTIFIISMYKDSQPRGM AVTISVKCEK ISTLSCENKI ISFKEMNPPD NIKDTKSDIIFQRSVPGHD NKMQFESSSY EGYFLACEKE RDLFKLILKK EDELGDRSIMFTVQNEDVD
Endotoxin	< 100 EU per mg of the protein as determined by the LAL method.

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Purity	> 95 % as determined by SDS-PAGE.
Storage	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration >100µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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
Gene ID	3606
mRNA Refseq	NM_001243211
Protein Refseq	NP_001230140
MIM	600953
UniProt ID	Q14116

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