

## Active GMP Recombinant Human IL18 Protein

Cat. No. IL18-155HG Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active GMP Recombinant Human IL18 Protein was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E. coli
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in PBS, 0.05% Tween-20, pH 7.0.
<b>Bio-activity</b>	Measured by its ability to induce IFN-gamma secretion by KG-1 human acute myelogenous leukemia cells. The ED50 for this effect is 1.5-15 ng/mL. The specific activity of recombinant human IL-18 is $> 3.0 \times 10^6$ Units/mg, which is calibrated against rHuIL-18 WHO reference reagent (NIBSC code: 03/200).
<b>Molecular Mass</b>	Approximately 18.2 kDa, a single non-glycosylated polypeptide chain containing 157 amino acids.
<b>AASequence</b>	YFGKLESKLS VIRNLNDQVL FIDQGNRPLF EDMTSDSCRD NAPRTIFIIS MYKDSQPRGM AVTISVKCEK ISTLSCENKI ISFKEMNPPD NIKDTKSDII FFQRSVPGHD NKMQFESSY EGYFLACEKE RDLFKLILKK EDELGDRSIM FTVQNE
<b>Endotoxin</b>	Less than 0.01 EU/µg of rHuIL-18 GMP as determined by LAL method.
<b>Purity</b>	> 95 % by SDS-PAGE and > 98 % by HPLC analyses.

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**Storage**

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

## GENE INFORMATION

**Gene Name**

IL18 interleukin 18 (interferon-gamma-inducing factor) [ Homo sapiens ]

**Official Symbol**

IL18

**Synonyms**

IGIF; IL-18; IL-1g; IL1F4; interleukin-18; IFN-gamma-inducing factor; IL-1 gamma; iboctadecin; interleukin 18 (interferon-gamma-inducing factor); interleukin-1 gamma

**Gene ID**

3606

**mRNA Refseq**

NM\_001243211

**Protein Refseq**

NP\_001230140

**MIM**

600953

**UniProt ID**

Q14116

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