

Active GMP Recombinant Human IL18 Protein

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

SPECIFICATION

Product Overview	Active GMP Recombinant Human IL18 Protein was expressed in E. coli.
Species	Human
Source	E. coli
Form	Lyophilized from a 0.2 µm filtered solution in PBS, 0.05% Tween-20, pH 7.0.
Bio-activity	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).
Molecular Mass	Approximately 18.2 kDa, a single non-glycosylated polypeptide chain containing 157 amino acids.
AASequence	YFGKLESKLS VIRNLNDQVL FIDQGNRPLF EDMTSDCDRD NAPRTIFIIS MYKDSQPRGM AVTISVKCEK ISTLSCENKI ISFKEMNPPD NIKDTKSDII FFQRSVPGHD NKMQFESSY EGYFLACEKE RDLFKLILKK EDELGDRSIM FTVQNED
Endotoxin	Less than 0.01 EU/µg of rHuIL-18 GMP as determined by LAL method.
Purity	> 95 % by SDS-PAGE and > 98 % by HPLC analyses.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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.

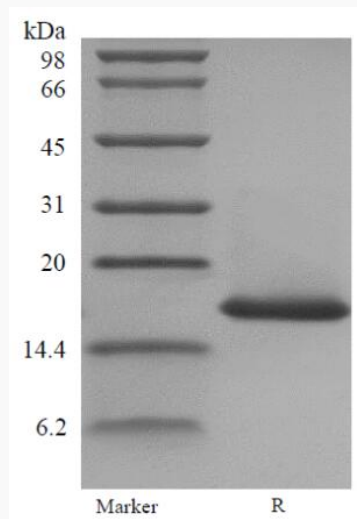
GENE INFORMATION

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; iboctadekin; 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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SDS-PAGE**HPLC**

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