

Recombinant Human IL18 Protein, His-tagged

Cat. No. IL18-94H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human Interleukin-18 is produced by our Mammalian expression system and the target gene encoding Tyr37-Asp193 is expressed with a 6His tag at the C-terminus.
Species	Human
Source	Human Cells
ProteinLength	37-193 a.a.
Description	Interleukin-18 is a secreted protein and it belongs to the IL-1 family. IL-18 is a proinflammatory cytokine and produced by macrophages and other cells. This cytokine can induce the IFN-gamma production of T cells. The combination of this cytokine and IL12 has been shown to inhibit IL-4 dependent IgE and IgG1 production, and enhance IgG2a production of B cells. IL-18 binding protein (IL18BP) can specifically interact with this cytokine, and thus negatively regulate its biological activity. After stimulation with IL-18, natural killer (NK) cells and certain T cells release another important cytokine called interferon- γ (IFN- γ) or type II interferon that plays an important role in activating the macrophages or other cells.
Form	Lyophilized from a 0.2 μ m filtered solution of PBS, pH7.4.
Molecular Mass	Predicted Molecular Weight: 19.25kDa Apparent Molecular Weight: 23kDa, reducing conditions.

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AA Sequence	Tyr37-Asp193
Endotoxin	Less than 0.1 ng/ug (1 EU/ug).
Purity	>90%
Storage	Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days. Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Quality Statement	Purity: Greater than 90% as determined by reducing SDS-PAGE.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.

GENE INFORMATION

Gene Name	IL18 interleukin 18 [Homo sapiens (human)]
Official Symbol	IL18
Synonyms	Interleukin-18; Ibctadekin; Interferon gamma-inducing factor; IFN-gamma-inducing factor; Interleukin-1 gamma; IL-1 gamma; GIF; IL-18; IL-1g; IL1F4; MGC12320; IGIF
Gene ID	3606

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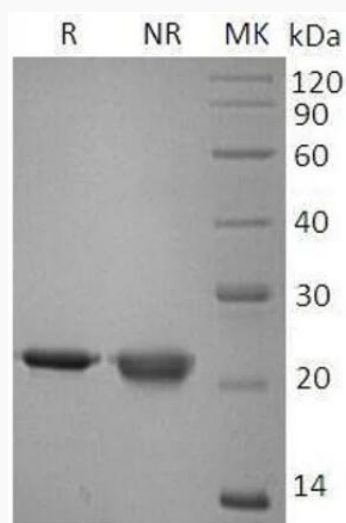
mRNA Refseq [NM_001243211.2](#)

Protein Refseq [NP_001230140.1](#)

MIM [600953](#)

UniProt ID [Q14116](#)

SDS-PAGE



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