

Recombinant Human Interleukin 18, His-tagged

Cat. No. IL18-536H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human IL18 was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	Human
Description	Interleukin 18 (IL-18), previously known as interferon-gamma (IFN- γ)-inducing factor, is an activator of NK cells and a co-inducer of Th1 cytokines. IL-18 is produced from Kupffer cells, activated macrophages, keratinocytes, intestinal epithelial cells, osteoblasts, adrenal cortex cells and murine diencephalon. IL-18 was expressed in E. coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.
Concentration	1 mg/ml
Form	Supplied as a liquid in 20mM Tris-HCl, pH 8.0, containing 10% glycerol.
Purity	> 90% by SDS - PAGE
Sequence	36-192 amino acids: MGSSHHHHHH SSGLVPRGSH MNFGR LHCTT AVIRNINDQV LFVDKRQPVF EDMTDIDQSA SEPQTRLIIY MYKDSEVRGL AVTL SVKDSK MSTLSCKNKI ISFEEMDPPE NIDDIQSDLI FFQKRVP GHN KMEFESSLYE GHFLACQKED DAFKLILKKK DENGDKSVMF TLTNLHQS

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Molecular Mass	20.4 kDa (178 aa), confirmed by MALDI-TOF.
Applications	SDS-PAGE
Endotoxin Levels	< 1.0 EU per ug of protein (determined by LAL method)
Storage	Store at 4 deg C for short term storage (1/2 weeks). Aliquot and store at -20 deg C or - 70 deg C for long term storage. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

Gene Name	IL18 interleukin 18 (interferon-gamma-inducing factor) [Homo sapiens]
Official Symbol	IL18
Synonyms	IL18; IGIF; IL-18; IL-1g; IL1F4; MGC12320; interleukin 18 (interferon-gamma-inducing factor); interleukin-1 gamma; IFN-gamma-inducing factor
Gene ID	3606
mRNA Refseq	NM_001562
Protein Refseq	NP_001553
MIM	600953
UniProt ID	Q14116
Chromosome Location	11q22.2-q22.3
Pathway	African trypanosomiasis; Cellular roles of Anthrax toxin; Cytokine Signaling in Immune

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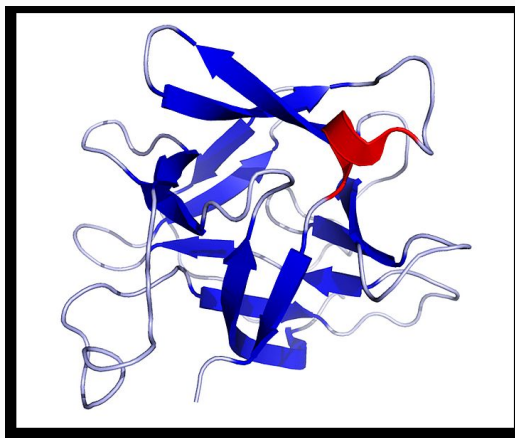
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system; Cytokine-cytokine receptor interaction; Cytosolic DNA-sensing pathway; Immune System

Function

Cytokine activity; signal transducer activity

**Solution structure of
human IL-18**



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