

Recombinant Mouse Interleukin 18, His-tagged

Cat. No. II18-740M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Il18 was expressed as His-tagged fusion protein in E. coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer. MW: 20.4 kDa.
Species	Mouse
Source	E.coli
ProteinLength	36-192aa
Description	Il18, previously known as interferon-gamma (IFN-gamma)-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.
Form	In 20mM Tris-HCl pH 8.0 containing 10% glycerol
Molecular Mass	20.4 kDa (178 aa), confirmed by MALDI-TOF.
AA Sequence	MGSSHHHHHH SGLVPRGSH MNFGRLHCTT AVIRNINDQV LFVDKRQPVF EDMTDIDQSA SEPQTRLIIY MYKDSEVRGL AVTLVKDSK MSTLSCKNKI ISFEEMDPPE NIDDIQSDLI FFQKRVPGHN KMEFESSLYE GHFLACQKED DAFKLILKKK DENGDKSVMF TLTNLHQS

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Endotoxin	< 1.0 eu per 1 µg of protein (determined by lal)
Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	Il18 interleukin 18 [Mus musculus]
Official Symbol	Il18
Synonyms	IL18; interleukin 18; interleukin-18; IL-1 gamma; interleukin-1 gamma; IFN-gamma-inducing factor; interferon gamma-inducing factor; interferon-gamma-inducing factor; Igif; Il-18;
Gene ID	16173
mRNA Refseq	NM_008360
Protein Refseq	NP_032386
Pathway	African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing

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pathway, conserved biosystem; Hypertrophy Model, organism-specific biosystem;

Function

cytokine activity;

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