Recombinant Full Length Human IL18 Protein, C-Flag-tagged

Cat. No. IL18-1668HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human IL18 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene is a proinflammatory cytokine of the IL-1 family that is constitutively found as a precursor within the cytoplasm of a variety of cells including macrophages and keratinocytes. The inactive IL-18 precursor is processed to its active form by caspase-1, and is capable of stimulating interferon gamma production, and of regulating both T helper (Th) 1 and Th2 responses. This cytokine has been implicated in the injury of different organs, and in potentially fatal conditions characterized by a cytokine storm. In humans, IL-18 gene is located on chromosome 11. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	22.1 kDa
AA Sequence	MAAEPVEDNCINFVAMKFIDNTLYFIAEDDENLESDYFGKLESKLSVIRNLNDQVLFID QGNRPLFEDMT DSDCRDNAPRTIFIISMYKDSQPRGMAVTISVKCEKISTLSCENKII SFKEMNPPDNIKDTKSDIIFFQR SVPGHDNKMQFESSSYEGYFLACEKERDLFKLILKKEDELGDRSIMFTVQNEDTRTR

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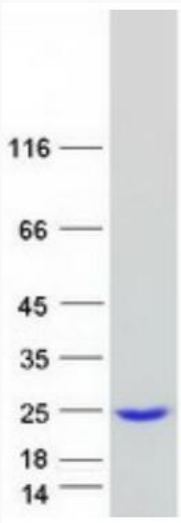
	PLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Secreted Protein
Protein Pathways	Cytokine-cytokine receptor interaction, Cytosolic DNA-sensing pathway, NOD-like receptor signaling pathway
Full Length	Full L.

GENE INFORMATION

Gene Name	IL18 interleukin 18 [Homo sapiens (human)]
Official Symbol	IL18
Synonyms	IGIF; IL-18; IL-1g; IL1F4
Gene ID	3606

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mRNA Refseq	NM_001562.4
Protein Refseq	NP_001553.1
MIM	600953
UniProt ID	Q14116



Coomassie blue staining of purified IL18 protein.

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