

IL18 recombinant protein

Human IL18 Protein, hFc Tag

CATALOG #
AAA47390

HOST
HEK293 cells

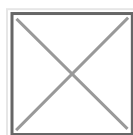
PRODUCT SYNONYMS

IL18; Human IL18 Protein; hFc Tag; IGIF; IL-1g; IL-18; IL1F4; IL18 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 cells
Purity/Purification	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.
Sequence	IL18(Tyr37 -Asp193)+h Fc(GLU99-A LA330)
Visual Inspection	Test: Lyophilization; Specification: Dried White powder; Result: Pass Test: Vial Label; Specification: Label aligned and complete; Result: Pass Test: Bottle Sealing (manual check); Specification: Sealed tight; Result: Pass
Quantity	Test: Bradford Method; Specification: $\geq$ specified quantity; Result: Pass
Other properties	Test: pH; Specification: 7.4 +/- 0.5; Result: Pass
Reconstitution	1. Before opening the tube cap, centrifuge the sample tube at 5000g for 3-5min at room temperature to ensure the lyophilized sample to settle down at the bottom of the tube 2. Dissolved lyophilized protein sample in sterile water based on the recommended volume 90.1 ul 3. After adding sterile water, cover the lid and mix them by gently tapping the tube for 5-10 times. Note: Do not vortex or vigorously pipette sample
Tag	C-Human Fc Tag
Preparation and Storage	Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing). For long term storage, glycerol can be added to a final concentration of 50% and stored at -20 degree C

IMAGES



SDS-PAGE

Figure 1. Human IL18 Protein, hFc Tag on SDS-PAGE under reducing condition.

ADDITIONAL INFORMATION

Related Product Information for IL18 recombinant protein	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.[provided by RefSeq, Aug 2020]
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NCBI AND UNIPROT INFORMATION

NCBI GI #	342349321
NCBI GeneID	3606
NCBI Accession #	NP_001230140.1
NCBI GenBank Nucleotide #	NM_001243211.1
UniProt Accession #	Q14116; O75599; Q6FGY3; Q6WWJ7
Molecular Weight	The protein has a predicted molecular mass of 44.3 kDa after removal of the signal peptide.The apparent molecular mass of IL18-hFc is approximately 35-55 kDa due to glycosylation
NCBI Official Full Name	interleukin-18 isoform 2 proprotein
NCBI Official Synonym Full Names	interleukin 18 (interferon-gamma-inducing factor)
NCBI Official Symbol	IL18
NCBI Official Synonym Symbols	IGIF; IL-18; IL-1g; IL1F4
NCBI Protein Information	interleukin-18; IL-1 gamma; iboctadekin; interleukin-1 gamma; IFN-gamma-inducing factor
UniProt Protein Name	Interleukin-18
UniProt Gene Name	IL18
UniProt Synonym Gene Names	IGIF; IL1F4; IL-18; IFN-gamma-inducing factor; IL-1 gamma
UniProt Entry Name	IL18_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/il18-recombinant-protein-hek293-cells/47390>