

ARG70062 Human IL18 recombinant protein (Active) (His-tagged, C-ter)

Package: 100 µg, 20 µg
Store at: -20°C

Summary

Product Description	E. coli expressed, His-tagged (C-ter) Active Human IL18 recombinant protein
Tested Application	SDS-PAGE
Target Name	IL18
Species	Human
A.A. Sequence	MYFGK LESKL SVIRN LNDQV LFIDQ GNRPL FEDMT DSDCR DNAPR TIFII SMYKD SQPRG MAVTI SVKCE KISTL SCENK IISFK EMNPP DNIKD TKSDI IFFQR SVPGH DNKMQ FESSS YEGYF LACEK ERDLF KLILK KEDEL GDRSI MFTVQ NED with polyhistidine tag at the C-terminus.
Expression System	E. coli
Activity	Active
Activity Note	Determined by its ability to induce IFN gamma secretion in KG-1 cells. The ED50 for this effect is < 5 ng/ml.
Alternate Names	Ibodekin; Interferon gamma-inducing factor; Interleukin-18; IL-18; IFN-gamma-inducing factor; IL-1 gamma; IGIF; IL-1g; Interleukin-1 gamma; IL1F4

Properties

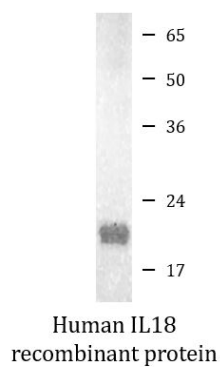
Form	Powder
Purification	Ni-NTA chromatography.
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Buffer	PBS (pH 8.0)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 µg/ml and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	IL18
Gene Full Name	interleukin 18
Background	The protein encoded by this gene is a proinflammatory cytokine that augments natural killer cell activity in spleen cells, and stimulates interferon gamma production in T-helper type I cells. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Aug 2011]

Function	Augments natural killer cell activity in spleen cells and stimulates interferon gamma production in T-helper type I cells. [UniProt]
PTM	The pro-IL-18 precursor is processed by CASP1 or CASP4 to yield the active form. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG70062 Human IL18 recombinant protein (Active) (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70062 Human IL18 recombinant protein (Active) (His-tagged, C-ter).