

## Active Recombinant Human IL11 protein, Fc-tagged

Cat. No. IL11-1581H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IL11 protein(Pro22-Leu199), fused with Fc tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	22-199 a.a.
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5.
<b>Bio-activity</b>	Immobilized Human IL-11 R alpha, His Tag at 5 µg/mL (100 µL/well) can bind Human IL-11, Fc Tag with a linear range of 0.2-10 ng/mL. Immobilized Human IL-11, Fc Tag at 5 µg/mL (100 µL/well) can bind Human IL-11 R alpha, His Tag with a linear range of 0.008-0.5 µg/mL.
<b>Molecular Mass</b>	This protein carries a human IgG1 Fc tag at the N-terminus. The protein has a calculated MW of 45.6 kDa. The protein migrates as 47-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Proteinlength</b>	Pro22-Leu199
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.

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<b>Purity</b>	>95% as determined by SDS-PAGE.>95% as determined by SEC-MALS.
<b>Storage</b>	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

<b>Gene Name</b>	IL11 interleukin 11 [ Homo sapiens ]
<b>Official Symbol</b>	IL11
<b>Synonyms</b>	IL11; interleukin 11; interleukin-11; adipogenesis inhibitory factor; AGIF; IL 11; oprelvekin; IL-11;
<b>Gene ID</b>	3589
<b>mRNA Refseq</b>	NM_000641
<b>Protein Refseq</b>	NP_000632
<b>MIM</b>	147681
<b>UniProt ID</b>	P20809

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