

Active Recombinant Human IL11 protein, Fc-tagged

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

SPECIFICATION

Product Overview	Recombinant Human IL11 protein(Pro22-Leu199), fused with Fc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	22-199 a.a.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5.
Bio-activity	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.
Molecular Mass	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.
Proteinlength	Pro22-Leu199
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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Purity	>95% as determined by SDS-PAGE.>95% as determined by SEC-MALS.
Storage	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.
Reconstitution	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

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

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