

Active Recombinant Human IL11 protein, His-tagged

Cat. No. IL11-1583H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL11 protein(Pro22-Leu199), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	22-199 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized ActiveMax Human IL-11, His Tag at 5 µg/mL (100 µL/well) can bind Human IL-11 R alpha, Fc Tag with a linear range of 1-10 ng/mL. The Human IL-11 R alpha (Luc) HEK293 er Cell was stimulated with serial dilutions of ActiveMax Human IL-11, His Tag. The max induction fold was approximately 31.
Molecular Mass	This protein carries a polyhistidine tag at the N-terminusThe protein has a calculated MW of 21.0 kDa. The protein migrates as 22-24 kDa and 25-27 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Pro22-Leu199
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.

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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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