

Active Recombinant Human IL11 Protein (Pro22-Leu199), N-His tagged, Animal-free, Carrier-free

Cat. No. IL11-175H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL11 Protein (Pro22-Leu199) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Pro22-Leu199
Description	Interleukin 11 (IL-11) is a cytokine, encoded by the gp130 family genes. IL-11 initially thought to be important for hematopoiesis, notably for megakaryocyte maturation, and it facilitate the formation of higher order structures involving dimers of gp130: IL-11:IL-11 RA complexes.
Form	Lyophilized
Bio-activity	Measure by its ability to induce T11 cells proliferation. The ED50 for this effect is < 0.2 ng/mL. The specific activity of recombinant human IL-11 is approximately >1 × 10 ⁷ IU/ mg.
Molecular Mass	The protein has a calculated MW of 19.95 kDa. The protein migrates as 24 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.

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Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	IL11 interleukin 11 [Homo sapiens (human)]
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

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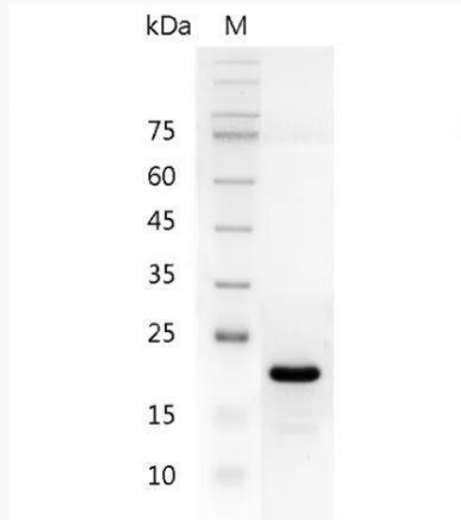
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MIM 147681

UniProt ID P20809

**SDS-PAGE analysis
of recombinant
human IL-11.**



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