

Active Recombinant Human IL11 Protein

Cat. No. IL11-953H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL11(Pro22-Leu199) was expressed in Pichia Pastoris.
Species	Human
Source	P.pastoris
ProteinLength	22-199 a.a.
Description	The protein encoded by this gene is a member of the gp130 family of cytokines. These cytokines drive the assembly of multisubunit receptor complexes, all of which contain at least one molecule of the transmembrane signaling receptor IL6ST (gp130). This cytokine is shown to stimulate the T-cell-dependent development of immunoglobulin-producing B cells. It is also found to support the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
Form	Lyophilized from a 0.2 M filtered solution of 20mM Phosphate buffer, 2% Glycine, pH 7.2. Stable for at least 6 months from date of receipt under proper storage and handling conditions.
Bio-activity	ED50 is less than 0.2 ng/ml as determined by the dose-dependent stimulation of murine 7TD1 proliferation. Specific Activity of 8.0 x 10 ⁶ IU/ mg.
Molecular Mass	19.1 kDa

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Endotoxin	< 0.1 EU per g protein as determined by LAL test
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining
Concentration	Resuspend the protein to the desired concentration in proper buffer.

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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