

Recombinant Human IL11 therapeutic protein(Oprelvekin)

Cat. No. IL11-P012H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Interleukin eleven, which is produced in Escherichia coli (E. coli) by recombinant DNA technology, has a molecular mass of approximately 19,000 daltons, and is non-glycosylated. The polypeptide is 177 amino acids in length (the natural IL-11 has 178). This alteration has not resulted in measurable differences in bioactivity either in vitro or in vivo.
Species	Human
Source	E.coli
ProteinLength	177aa
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. The expression product is the active ingredient of Neumega.
Molecular Mass	19kDa
AA Sequence	GPPPGPPRVSPDPRAELDSTVLLTRSLADTRQLAAQLRDKFPADGDHNLDSLPTLA MSAGALGALQLPGV LTRLRADLLSYLRHVQWLRRAGGSSLKTLEPELGTQLQARLDR LLRRLQLLMSRLALPQPPDPAPPLAPP SSAWGGIRAAHAILGGLHLTLDWAVRGL

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	LLLKTRL
Purity	>95%
Alias	IL11; AGIF; IL 11; IL-11; Oprelvekin
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
Chromosome Location	19q13.3-q13.4
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway,

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conserved biosystem; Rheumatoid arthritis, organism-specific biosystem;

Function

cytokine activity; growth factor activity; interleukin-11 receptor binding;

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