

Active Recombinant Mouse Il11 Protein, His-Tagged

Cat. No. Il11-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Il11 Protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
Description	IL-11 is a cytokine and first isolated in 1990 from bone marrow-derived fibrocyte-like stromal cells. It was initially thought to be important for hematopoiesis, notably for megakaryocyte maturation, but subsequently shown to be redundant for platelets, and for other blood cell types, in both mice and humans. It is also known under the names adipogenesis inhibitory factor (AGIF) and was developed as a recombinant protein (rhIL-11) as the drug substance oprelvekin.
Form	Lyophilized powder
AA Sequence	PGPPAGSPRVSSDPRADLDSAVLLTRSLADTRQLAAQMRDKFPADGDHSLDSLPT LAMSAGTLGSLQLPGVLTRLRVDLMSYLRHVQWLR RAGGPSLKTLEPELGALQARLERLLRRLQLLMSRLALPQAAPDQPVIPLGPPASAWG SIRAAHAILGGLHLTLDWAVRGLLLLKTRL with polyhistidine tag at the N-terminus
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.
Bio-activity	Measure by its ability to induce T11 cells proliferation. The ED50 for this effect is <0.5 ng/mL. The specific activity of recombinant mouse IL-11 is > 2 x 10 ⁶ IU/mg.

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Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Notes	Please use within one month after protein reconstitution.

GENE INFORMATION

Gene Name	IL11 interleukin 11 [<i>Mus musculus</i> (house mouse)]
Official Symbol	IL11
Synonyms	IL-11
Gene ID	16156
mRNA Refseq	NM_001290423.2
Protein Refseq	NP_001277352.1
UniProt ID	F7A7F2

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