Recombinant Active Mouse IL11 Protein, His-tagged(N-ter)

Cat. No. Il11-138M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Active Mouse IL11 Protein with His tag (N-ter) was expressed in E. coli.
Species	Mouse
Source	E.coli
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. [provided by RefSeq, Jun 2012]
Form	Powder
Bio-activity	Determined 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.
AA Sequence	PGPPAGSPRVSSDPRADLDSAVLLTRSLLADTRQLAAQMRDKFPADGDHSLDSLPT LAMSAGTLGSLQLPGVLTRLRVDLMSYLRHVQWLRRAGGPSLKTLEPELGALQARL ERLLRRLQLLMSRLALPQAAPDQPVIPLGPPASAWGSIRAAHAILGGLHLTLDWAVR GLLLLKTRL

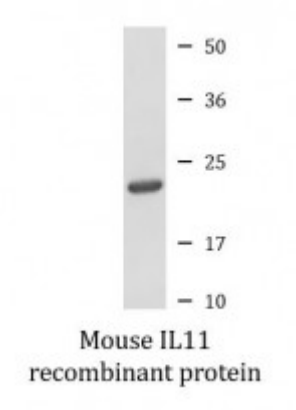
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Endotoxin	Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Applications	SDS-PAGE
Notes	For laboratory research only, not for drug, diagnostic or other use.
Storage	Lyophilized protein should be stored at -20°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Storage Buffer	PBS (pH 8.0)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.

GENE INFORMATION

Gene Name	Il11 interleukin 11 [Mus musculus]
Official Symbol	Il11
Synonyms	IL11; interleukin 11; interleukin-11; IL-11;
Gene ID	16156
mRNA Refseq	NM_008350

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Protein Refseq	NP_032376
SDS-PAGE	

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