

Interleukin-11 Active Protein | mIL 11 active protein

Recombinant Mouse Interleukin-11

CATALOG # AAA38774	HOST E Coli
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PRODUCT SYNONYMS

Interleukin-11; Recombinant Mouse Interleukin-11; IL 11 Mouse; Interleukin-11 Mouse Recombinant; AGIF; Adipogenesis inhibitory factor; Oprelvekin; IL-11; IL11; mIL 11 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	The protein was lyophilized from a 0.2 um filtered concentrated (1mg/ml) solution in PBS, pH 7.4. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	MPGPPAGSPR VSSDPRADLD SAVLLTRSLI ADTRQLAAQM RDKFPADGDH SLDSLPTLAM SAGTLGSLQL PGVLTIRLRVD LMSYLRHVQW LRRAGGPSLK TLEPELGALQ ARLERLLRRL QLLMSRLALP QAAPDQPVIP LGPPASAWGS IRAAHAILGG LHLTLDWAVR GLLLLKTRL
Sequence Length	199
Solubility	It is recommended to reconstitute the lyophilized Interleukin 11 in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 as determined by the dose-dependant stimulation of the proliferation of murine T11 was found to be less than 2.0 ng/ml, corresponding to a specific activity of 500,000IU/mg.
Preparation and Storage	Lyophilized Interleukin-11 although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution IL11 should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for mIL 11 active protein	Description: Interleukin-11 Mouse Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 179 amino acids and having a molecular mass of 19.1kDa. The Mouse IL-11 is purified by proprietary chromatographic techniques. Introduction: IL11 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). IL-11 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.
Product Categories/Family for mIL 11 active protein	Cytokines and Growth Factors; Cytokines; Interleukin

NCBI AND UNIPROT INFORMATION

NCBI GI #	6680393
NCBI GeneID	16156
NCBI Accession #	NP_032376.1

NCBI GenBank Nucleotide #	NM_008350.4
UniProt Accession #	P47873
Molecular Weight	21,522 Da
NCBI Official Full Name	interleukin-11 isoform 1
NCBI Official Synonym Full Names	interleukin 11
NCBI Official Symbol	IL11
NCBI Official Synonym Symbols	IL-11
NCBI Protein Information	interleukin-11
UniProt Protein Name	Interleukin-11
UniProt Gene Name	IL11
UniProt Synonym Gene Names	IL-11
UniProt Entry Name	IL11_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/e-coli-mil-11-active-protein/interleukin-11/38774>