

IL11 active protein

IL11 protein (Mouse)

CATALOG # AAA75591	HOST Mouse
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PRODUCT SYNONYMS

IL11; IL11 protein (Mouse); Interleukin 11 protein; AGIF protein; IL 11 protein; IL-11 protein; IL-11; Adipogenesis inhibitory factor protein; IL 11; IL11 active protein

PRODUCT SPECIFICATIONS

Host	Mouse
Purity/Purification	≥ 98% by SDS-PAGE and HPLC analysis
Form/Format	0.2um filtered solution, lyophilized with no additives. Centrifuge vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Concentration	10ug/vial; Lyophilized (varies by lot)
Sequence	Region of IL 11 protein corresponds to amino acid sequence: QMRDKFPADG DHSLDLPTL AMSAGTLGSL QLPGLVTRLR VDLMSYLRHV QWLRRAGGPS LKLEPELGA LQARLERLLR RLQLMSRLA LPQAAPDQPV IPLGPPASAW GSIRAAHAIL GGLHLTDWA VRGLLLKTR L.
Sequence Length	199
Protein Type	Recombinant
Biological Significance	IL11 is a multifunctional cytokine produced by stromal cells such as fibroblasts, epithelial cells and osteoclasts. It is expressed in a wide variety of tissues including thymus, lung, bone, connective tissue and central nervous system. IL11 plays an important regulatory role in hematopoiesis by stimulating growth of myeloid, erythroid and megakaryocyte progenitor cells. It also regulates bone metabolism, inhibits production of proinflammatory cytokines and protects against gastromucosal injury.
Biological Activity	Determined by its ability to stimulate the proliferation of mouse T11 cells. The expected ED50 is ≤2.0 ng/ml, corresponding to a specific activity of ≥ 5 x 10 ⁵ units/mg.
Biohazard	Not for human use. Use normal laboratory precautions when handling reagent. For research purposes only.
Endotoxin Levels	Endotoxin level is less than 0.1 ng per ug (1 EU/ug).
Source	E Coli
Preparation and Storage	Store at 4 degree C until reconstitution. Following reconstitution aliquot and freeze at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for IL11 active protein	Purified recombinant Mouse IL11 protein
Product Categories/Family for IL11 active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	10834994
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NCBI GeneID	3589
NCBI Accession #	NP_000632.1
NCBI GenBank Nucleotide #	NM_000641.3
UniProt Accession #	P20809; Q96EB4; B4DQV5
Molecular Weight	19.1 kDa
NCBI Official Full Name	interleukin-11 isoform 1
NCBI Official Synonym Full Names	interleukin 11
NCBI Official Symbol	IL11
NCBI Official Synonym Symbols	AGIF; IL-11
NCBI Protein Information	interleukin-11
UniProt Protein Name	Interleukin-11
UniProt Gene Name	IL11
UniProt Synonym Gene Names	AGIF
UniProt Entry Name	IL11_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-active-protein/il11/75591>