

IL11 active protein

Recombinant Human IL11

CATALOG #
AAA214230

HOST
E Coli

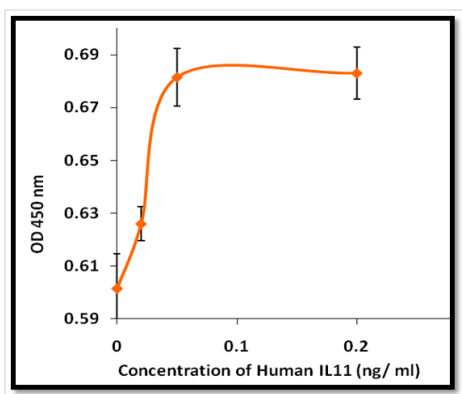
PRODUCT SYNONYMS

IL11; Recombinant Human IL11; IL-11; Adipogenesis inhibitory factor; AGIF; INN=Oprelvekin; Recombinant Human Interleukin-11 (IL11); IL11 active protein

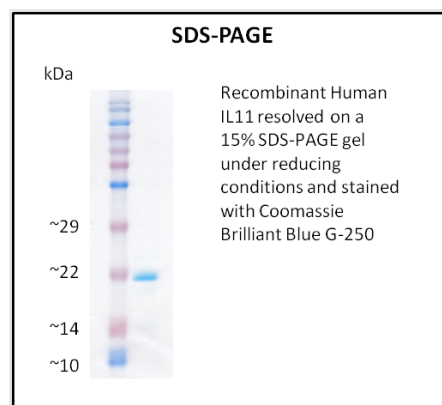
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from a 0.2 um filtered solution in tris buffer and NaCl.
Sequence Length	120
Bioactivity	The ED(50) was determined by the dose-dependent stimulation of the proliferation of murine T11 cells is ≤ 1.0 ng/ml, corresponding to a specific activity of $\geq 1.0 \times 10^6$ units/mg.
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method.
Family	IL-6 Family
Species	Human (H. sapiens)
Appearance	Lyophilized Powder
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for IL11 active protein	IL11 is secreted by bone marrow stromal cells (fibroblasts) and is produced also by a number of mesenchymal cells. The IL11 receptor (alpha chain) utilizes gp130 as its signal transducer, which is also a component of other cytokine receptors. The alpha chain of the IL11 receptor has been identified independently as EtI2. IL-1 promotes primary and secondary immune responses in vitro and in vivo and modulates antigen-specific antibody reactions. IL11 promotes the proliferation of IL6 dependent plasmacytoma cell lines in the presence of neutralizing IL6 antibodies. IL11 also stimulates the T cell dependent development of IgG-secreting B cells in spleen cell cultures. IL11 inhibits the differentiation of pre-adipocytes. It induces the synthesis of some acute phase proteins by hepatocytes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	391353380
NCBI GeneID	3589
NCBI Accession #	NP_001254647.1
NCBI GenBank Nucleotide #	NP_001254647.1
UniProt Accession #	P20809
Molecular Weight	19 kDa
NCBI Official Full Name	interleukin-11 isoform 2
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	IL-11; 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/e-coli-active-protein/il11/214230>