

IL-11 receptor alpha Active Protein | IL11RA active protein

Mouse IL-11 receptor alpha Recombinant

CATALOG #	HOST
AAA14431	HEK Cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)

PRODUCT SYNONYMS

IL-11 receptor alpha; Mouse IL-11 receptor alpha Recombinant; IL-11RA; IL11ra; IL11RA active protein

PRODUCT SPECIFICATIONS

Host	HEK Cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)
Purity/Purification	>85%, as determined by SDS-PAGE and HPLC
Form/Format	Recombinant mouse Interleukin-11 alpha was lyophilized from a 0.2um filtered PBS solution pH 7.4.
Sequence Length	432
Source	Mouse
Source Note	DNA sequence encoding extracellular domain of Mouse IL-11RA fused to a C-terminal polyHis tag was expressed in HEK cells.
Biological Activity	The activity was determined by its ability to bind mouse IL-6ST in functional ELISA.
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).
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 2 years from date of receipt at -20 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2 degree - 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.

ADDITIONAL INFORMATION

Related Product Information for IL11RA active protein	Receptor for interleukin-11. The receptor systems for IL6, LIF, OSM, CNTF, IL11 and CT1 can utilize IL6ST for initiating signal transmission. The IL11/IL11RA/IL6ST complex may be involved in the control of proliferation and/or differentiation of skeletogenic progenitor or other mesenchymal cells.
Product Categories/Family for IL11RA active protein	Receptors CD
References	il-11 receptor in the pathogenesis of il-13-induced inflammation and remodeling .J. Immunol., Feb 2005; 174: 2305 - 2313. recombinant soluble interleukin-11 (il-11) receptor -chain can act as an il-11 antagonist .Blood, Dec 1997; 90: 4403 - 4412.

NCBI AND UNIPROT INFORMATION

NCBI GI #	254281269
NCBI GeneID	16157
NCBI Accession #	NP_001156873.1

NCBI GenBank Nucleotide #	NM_001163401.1
UniProt Accession #	Q64385 ; Q6NSQ0 ; A2AMS4
Molecular Weight	Recombinant Mouse Interleukin-11RA is a monomer consisting of 355 amino acid residue subunits, and migrates as an approximately 46 kDa protein under reducing conditions in SDS-PAGE.
NCBI Official Full Name	interleukin-11 receptor subunit alpha-1
UniProt Protein Name	Interleukin-11 receptor subunit alpha-1
UniProt Gene Name	IL11ra1
UniProt Synonym Gene Names	EtI2; IL11ra; IL-11 receptor subunit alpha-1; IL-11R subunit alpha-1; IL-11R-alpha-1; IL-11RA1; EtI-2; NR-1; NR1
UniProt Entry Name	I11RA_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.

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Online datasheet: <https://stage.aaabiotech.com/hek-cells-il11ra-active-protein/il-11-receptor-alpha/14431>