Interleukin-15 (IL15) Sheep Recombinant Protein

PRODUCT OVERVIEW

Product Name	Interleukin-15 (IL15), Recombinant Protein
Full Product Name	Recombinant Sheep Interleukin-15 (IL15)
Product Gene Name	IL15 recombinant protein
Product Synonym Gene Name	IL15
Sequence	NWQSVIHDLK TIEHLIQSMH MDATLYTESD AHPNCKVTAL QCFLLELRVI LHESKNAAIY EIIENLTMLA DRNLSSIENK TELGCKECEE LEKKSIKEFL KSFVHIVQMF INTS
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	18,511 Da
Sequence Positions	49-162, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9XSJ6
Species	Sheep
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for IL15 recombinant protein	This protein is a cytokine that regulates T and natural killer cell activation and proliferation. This cytokine and interleukine 2 share many biological activities. They are found to bind common hematopoietin receptor subunits, and may compete for the same receptor, and thus negatively regulate each other s activity. The number of CD8+ memory cells is shown to be controlled by a balance between this cytokine and IL2. This cytokine induces the activation of JAK kinases, as well as the phosphorylation and activation of transcription activators STAT3, STAT5, and STAT6. Studies of the mouse counterpart suggested that this cytokine may increase the expression of apoptosis inhibitor BCL2L1 BCL-x(L), possibly through the transcription activation activity of STAT6, and thus prevent apoptosis. Two alternatively spliced transcript variants of this gene encoding the same protein have been reported.
Other Notes	Small volumes of IL15 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IL15 purchase	MBS1347074 is a recombinant protein targeting IL15. Also known as Recombinant Sheep Interleukin-15 (IL15). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL15. It may not necessarily be applicable to this product.

NCBI GI #	57619196

NCBI GeneID	443056
NCBI Accession #	NP_001009734.1
UniProt Primary Accession #	Q9XSJ6
UniProt Related Accession #	Q9XSJ6
GenBank Nucleotide #	NM_001009734.1
NCBI Official Full Name	interleukin-15
NCBI Official Symbol	IL15
UniProt Protein Name	Interleukin-15
Protein Family	Interleukin
UniProt Gene Name	IL15
UniProt Synonym Gene Names	IL-15
NCBI Protein Information	interleukin-15
UniProt Comments for IL15	Cytokine that stimulates the proliferation of T-lymphocytes. Stimulation by IL-15 requires interaction of IL-15 with components of IL-2R, including IL-2R beta and probably IL-2R gamma but not IL-2R alpha ().
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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