Interleukin-15 (IL15) Human Active Protein

PRODUCT OVERVIEW

Product Name	Interleukin-15 (IL15), Active Protein
Full Product Name	Recombinant Human Interleukin-15 (IL15)(Active)
Product Gene Name	IL15 active protein
Product Synonym Gene Name	IL-15
Product Synonym Names	Interleukin-15; IL-15; IL15
Sequence	NWVNVISDLK KIEDLIQSMH IDATLYTESD VHPSCKVTAM KCFLLELQVI SLESGDASIH DTVENLIILA NNSLSSNGNV TESGCKECEE LEEKNIKEFL QSFVHIVQMF INTS
Host	Mammalian Cell
Form/Format	Lyophilized powder; Lyophilized from a 0.2um filtered solution containing PBS, 5% mannitoland 0.01% Tween 80, pH 7.4
Purity/Purification	Greater than 95% as determined by SDS-PAGE. (lot specific)
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Notes: Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.
Molecular Weight	162
Chromosome Location	Chromosome: 4; NC_000004.11 (142557749..142655140). Location: 4q31
OMIM	600554
3D Structure	ModBase 3D Structure for P40933
Active Protein Note	Protein activity can be an ambiguous term. Please refer to the data sheet or inquire with Technical Support to determine the definition of activity for this product.
Species	Homo sapiens (Human)
Tag	Tag free
Endotoxin	<=10EU/mg by the LAL method
Biological Activity	Measured in a cell proliferation assay using CTLL-2 mouse cytotoxic T cells. The ED50 for this effect is <=0.5ng/ml.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for IL15 active protein	MBS9021229 is an active protein targeting IL15. Also known as Recombinant Human Interleukin-15 (IL15)(Active). Host: Mammalian Cell.
Other Notes	Small volumes of IL15 active 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.

ADDITIONAL DETAILS

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

NCBI GI #	10835153
NCBI GeneID	3600
NCBI Accession #	NP_000576.1
UniProt Primary Accession #	P40933
UniProt Secondary Accession #	O00440; O43512; Q495Z8; Q93058; Q9UBA3; D3DNZ2
UniProt Related Accession #	P40933
GenBank Nucleotide #	NM_000585.4
NCBI Official Full Name	interleukin-15 isoform 1 preproprotein
NCBI Official Synonym Full Names	interleukin 15
NCBI Official Symbol	IL15
NCBI Official Synonym Symbols	IL-15
UniProt Protein Name	Interleukin-15
Protein Family	Interleukin
UniProt Gene Name	IL15
UniProt Synonym Gene Names	IL-15
UniProt Entry Name	IL15_HUMAN
NCBI Protein Information	interleukin-15
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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