

IL15 recombinant protein

Human IL15 Protein, hFc Tag

CATALOG #
AAA47378

HOST
HEK293 cells

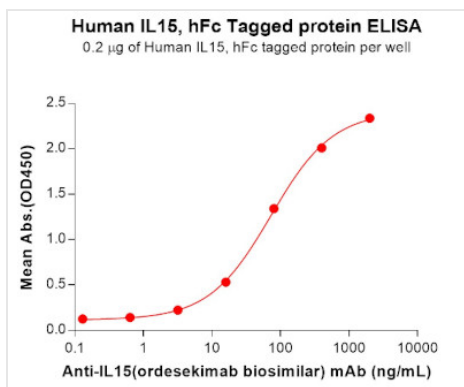
PRODUCT SYNONYMS

IL15; Human IL15 Protein; hFc Tag; IL-15; Interleukin 15; MGC9721; OTTHUMP00000164617; IL15 recombinant protein

PRODUCT SPECIFICATIONS

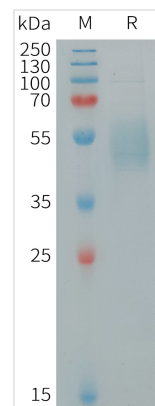
Host	HEK293 cells
Purity/Purification	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.
Sequence	IL15(Asn49 -Ser162)+h Fc(Glu99-A la330)
Origin	Human
Reconstitution	Reconstitute with deionized water
Tag	C-Human Fc
Preparation and Storage	Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing).

IMAGES



Application Data

Figure 2. ELISA plate pre-coated by 2 ug/mL (100 uL/well) Human IL15 Protein, hFc Tag (AAA47378) can bind Anti-IL15(ordeesekimab biosimilar) mAb in a linear range of 3.20–400 ng/mL.



SDS-PAGE

Figure 1. Human IL15 Protein, hFc Tag on SDS-PAGE under reducing condition.

ADDITIONAL INFORMATION

Related Product Information for IL15 recombinant protein	The protein encoded by this gene 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. Alternatively spliced transcript variants of this gene have been reported. [provided by RefSeq, Feb 2011]
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10835153
NCBI GeneID	3600
NCBI Accession #	NP_000576.1
NCBI GenBank Nucleotide #	NM_000585.4
UniProt Accession #	P40933; O00440; O43512; Q495Z8; Q93058; Q9UBA3; D3DNZ2
Molecular Weight	The protein has a predicted molecular mass of 38.9 kDa after removal of the signal peptide. The apparent molecular mass of IL15-hFc is approximately 35-55kDa due to glycosylation
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
NCBI Protein Information	interleukin-15
UniProt Protein Name	Interleukin-15
UniProt Gene Name	IL15
UniProt Synonym Gene Names	IL-15
UniProt Entry Name	IL15_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.