

Interleukin-15 Active Protein | IL15 active protein

Recombinant Human Interleukin-15, HEK

CATALOG #
AAA39137

PRODUCT SYNONYMS

Interleukin-15; Recombinant Human Interleukin-15; HEK; IL15 Human; IL-15; IL15; MGC9721; Interleukin-15 Human Recombinant; IL15 active protein

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The IL-15 protein was lyophilized from 1842 uL filtered (0.2 um) solution in PBS, pH 7.4 and 10% Trehalose.
Sequence Length	162
Source	HEK.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried powder)
Solubility	It is recommended to reconstitute the lyophilized IL15 with 2500 uL PBS to a stock solution of 400 ug/mL.
Biological Activity	The biological activity was determined by the dose dependent stimulation of the proliferation of CTLL-2 cells, the ED ₅₀ is typically less than 0.5ng/ml, corresponding to a specific activity of >2 X 10 ⁶ Unit/mg.
Preparation and Storage	Lyophilized IL-15 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL15 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for IL15 active protein	Description: Interleukin-15 Human Recombinant produced in HEK cells is a glycosylated monomer, having a molecular weight of 12.8kDa due to glycosylation. The IL15 is purified by proprietary chromatographic techniques. Introduction: 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. Two alternatively spliced transcript variants of this gene encoding the same protein have been reported.
Product Categories/Family for IL15 active protein	Cytokines and Growth Factors

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; Q6FGX7; Q93058; Q9UBA3; D3DNZ2
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

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/il15-active-protein/interleukin-15/39137>