

IL-15 Receptor alpha & IL-15 Fusion Protein/IL15RA&IL15 Active Protein | IL15RA&IL15 active protein

Recombinant Human IL-15 Receptor alpha & IL-15 Fusion Protein/IL15RA&IL15 Protein (C-Fc)

CATALOG # AAA22119	HOST Human Cells
------------------------------	----------------------------

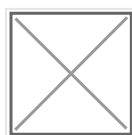
PRODUCT SYNONYMS

IL-15 Receptor alpha & IL-15 Fusion Protein/IL15RA&IL15; Recombinant Human IL-15 Receptor alpha & IL-15 Fusion Protein/IL15RA&IL15 Protein (C-Fc); IL15RA&IL15; Interleukin-15; IL-15; IL15; IL-15 receptor subunit alpha; IL-15RA; IL-15R-alpha; interleukin-15 receptor subunit alpha; IL15RA&IL15 active protein

PRODUCT SPECIFICATIONS

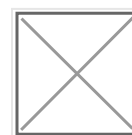
Host	Human Cells
Purity/Purification	>95% as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um filtered solution of PBS, 5% trehalose, pH 7.4.
Sequence Positions	Ile31-Asp96 & Asn49-Ser162
Sequence Length	231
Species	Human
Endotoxin	<1.0 EU per ug as determined by LAL method.
Tag	C-Fc
Reconstitution	We recommend that the vial be centrifuged to opening to bring the contents to the bottom. Do not mix by vortex. It is recommended that sterile water be added to the vial to prepare a stock solution of 100ug/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Lyophilized protein should be stored at < -20°C. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

IMAGES



Application Data

Measured in a cell proliferation assay using CTLL-2 mouse cytotoxic T cells. The ED50 for this effect is 5-20 ng/ml.



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for IL15RA&IL15 active protein	IL15RA is a high-affinity receptor for interleukin-15. IL15ra associates as a heterotrimer with the IL-2 receptor beta and gamma subunits to initiate signal transduction. It can signal both in cis and trans where IL15R from one subset of cells presents IL15 to neighboring IL2RG-expressing cells. IL15ra is expressed in special cells including a wide variety of T and B cells and non-lymphoid cells. IL-15 is a cytokine that regulates T cell and natural killer cell activation and proliferation. IL-15 binds to the alpha subunit of the IL-15RA with high affinity. IL-15 also binds to the beta and gamma chains of the IL-2 receptor, but not the alpha subunit of the IL2 receptor. IL-15 is structurally and functionally related to IL-2. Both cytokines share some subunits of receptors, allowing them to compete for and negatively regulate each other's activity. The number of CD8+ memory T cells is controlled by a balance between IL-15 and IL-2. Despite their many overlapping functional properties, IL-2 and IL-15 are, in fact, quite distinct players in the immune system. IL-15 is constitutively expressed by a wide variety of cell types and tissues, including monocytes, macrophages and DCs.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	343780891
NCBI GeneID	3601
NCBI Accession #	Q13261&P40933
NCBI GenBank Nucleotide #	NM_001243539.1
UniProt Accession #	Q13261; Q3B769; Q5JVA1; Q5JVA2; Q5JVA4; Q6B0J2; Q7LDR4; Q7Z609; B4E2C2
Molecular Weight	Molecular Mass: 46.9 kDa Actual Protein Molecular Mass: 50-60 kDa
NCBI Official Full Name	interleukin-15 receptor subunit alpha isoform 3
NCBI Official Synonym Full Names	interleukin 15 receptor subunit alpha
NCBI Official Symbol	IL15RA
NCBI Official Synonym Symbols	CD215
NCBI Protein Information	interleukin-15 receptor subunit alpha
UniProt Protein Name	Interleukin-15 receptor subunit alpha
UniProt Gene Name	IL15RA
UniProt Synonym Gene Names	IL-15 receptor subunit alpha; IL-15R-alpha; IL-15RA; sIL-15 receptor subunit alpha; sIL-15R-alpha; sIL-15RA

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.