

Product datasheet for **TP724846**

IL15RA Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human IL-15RA & IL-15 fusion protein (Fc)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ile31-Asp96 & Asn49-Ser162(Asn120Asp)
Tag:	C-hFc
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Note:	Recombinant Human Interleukin-15 Receptor Alpha & Interleukin-15 Fusion Protein is produced by our Mammalian expression system and the target gene encoding Ile31-Asp96&Asn49-Ser162(Asn120Asp) is expressed with a human IgG1 Fc tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-5 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	3601
UniProt ID:	Q13261
Synonyms:	IL15RA&IL15; Interleukin-15; IL-15; IL15; IL-15 receptor subunit alpha; IL-15RA; IL-15R-alpha; interleukin-15 receptor subunit alpha
Summary:	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 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.


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Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway