

PRODUCT INFORMATION

IL-15RA and IL-15 **Target**

IL15RAandIL15;Interleukin-15;IL-15;IL15;IL-15 **Synonyms**

receptor subunit alpha;IL-15RA;IL-15R-alpha;interleukin-15 receptor subunit alpha Recombinant Human Interleukin-15 Receptor Alpha and Interleukin-15 Fusion Protein is

produced by our Mammalian expression system Description

and the target gene encoding Ile31-Asp96andAsn49-Ser162(Asn120Asp) is expressed

with a Fc tag at the C-terminus.

Delivery In Stock

Uniprot ID Q13261;P40933

Expression Host HEK293 C-Fc Tag Tag

Molecular Characterization

Not available

Molecular Weight 46.9 KDa

Greater than 95% as determined by reducing **Purity**

SDS-PAGE.

Formulation & Reconstitution

Background

Lyophilized from a 0.2 μm filtered solution of PBS, 5% Trehalose, pH 7.4.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store Storage & Shipping at -80°C (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient

temperature.

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 Tand 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

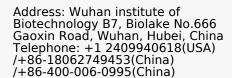
receptor, but not the alpha subunit of the IL2 receptor. IL-15 is structurally and functionally related to IL-2. Both cytokines share some subunits of receptors, allowing them to compete for and negatively regulate each other's activity. The number of CD8 memory T cells is controlled by a balance between 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

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by a wide variety of cell types and tissues, including monocytes, macrophages and DCs.

Usage Research use only

Conjugate Unconjugated







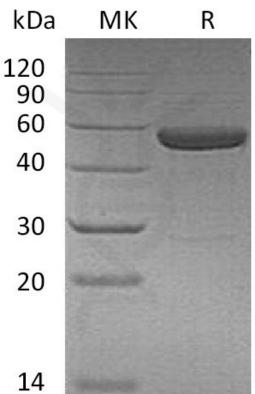


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.



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