

## **PRODUCT INFORMATION**

**Target** IL15 and IL15RA **Synonyms** IL-15,CD215

Recombinant human IL15 protein with C-terminal **Description** 

mouse Fc tag and human IL15RA protein

**Delivery** 

**Uniprot ID** Q13261 and P40933

**Expression Host HEK293** 

Tag C-Mouse Fc tag and tag Free

Molecular IL15(Asn49-Ser162) mFc(Pro99-Lys330)

Characterization IL15RA(Ile31-Arg95)

The protein has a predicted molecular mass of 39.0 kDa and 7.3 kDa kDa after removal of the **Molecular Weight** 

signal peptide.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue **Purity** 

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & - 8% trehalose is added as protectants before Reconstitution lyophilization. Please see Certificate of Analysis

for specific instructions of reconstitution. 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

témperature.

Interleukin-15 is a member of the four  $\alpha$  helix bundle family of cytokines. It plays a multifaceted role in the development and control of the immune system. The IL-15R consists of three polypeptides, the type-specific IL-15R $\alpha$ , the IL-2/IL-15R $\beta$ , and the common  $\gamma$ -chain ( $\gamma$ C), which is shared by multiple cytokine receptors. IL-15 could enhance the effect of chemotherapeutic agents and ACT on transplanted tumors, but had

**Background** agents and ACT on transplanted tumors, but had little or no effect when administered alone. The

result of research shows that the biological activity of IL-15 could be increased ~50-fold by administering preformed complexes of IL-15 and

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its soluble receptor, IL-15Rα.

**Usage** Research use only

Conjugate Unconjugated



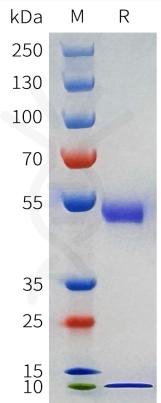


Figure 1.Human IL15 protein with C-terminal mouse Fc tag and human IL15RA protein on SDS-PAGE under reducing condition

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