

## Recombinant Human IL-15RA (C-Fc)

**Catalog No :** PMK2141

**Known As:** CD215; IL15RA; CD215 antigen; IL-15 receptor subunit alpha; IL-15RA; IL-15R-alpha; interleukin 15 receptor; alpha; interleukin-15 receptor subunit alpha; MGC104179

### PROPERTIES

Description	Recombinant Human Interleukin-15 Receptor Subunit Alpha is produced by our Mammalian expression system and the target gene encoding Ile31-Thr172 is expressed with a human IgG1 Fc tag at the C-terminus.
Accession	Q13261-3
Formulation	Lyophilized from a 0.2 $\mu$ m filtered solution of 20mM PB, 150mM NaCl, pH 7.4
Size	10 $\mu$ g/50 $\mu$ g/500 $\mu$ g/1mg
Purity	> 95%
Endotoxin	< 1 EU/ $\mu$ g as determined by LAL test.
Predicted Mol Mass	42.2 KDa
Apparent Mol Mass	60-75 KDa, reducing conditions
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at $\leq -20^{\circ}\text{C}$ , stable for one year after receipt. Reconstituted protein solution can be stored at 2-8 $^{\circ}\text{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at $\leq -20^{\circ}\text{C}$ for 3 months.
Background	Interleukin 15 Receptor alpha (IL-15R $\alpha$ ) is a transmembrane glycoprotein that plays a pleiotropic role in immune development and function, including the positive maintenance of lymphocyte homeostasis. IL-15R $\alpha$ chain can bind soluble IL-15 and "transpresent" cytokine to the cells, allowing them to respond to IL-15. Soluble IL-15R $\alpha$ can function as a specific high-affinity IL-15 antagonist. The soluble IL-15/IL-15R $\alpha$ complexes exhibit a strong agonistic activity which is mediated through membranebound IL-15 receptor $\beta$ and $\gamma$ heterodimers and enables signaling to cells.

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