

**IL-15RA/CD215 (C-Fc), Human, Recombinant**

Cat. No. : PCK149

**General Information**

|                        |   |
|------------------------|---|
| <b>Synonyms</b>        | CD215;IL15RA;CD215 antigen;IL-15 Receptor subunit alpha;IL-15RA;IL-15R-alpha; Interleukin 15 Receptor;alpha;Interleukin-15 Receptor subunit alpha;MGC104179 |
| <b>Species</b>         | Human   |
| <b>Expression host</b> | Human Cells   |
| <b>Sequence</b>        | Ile31-Thr172  |
| <b>Accession</b>       | Q13261-3  |
| <b>Tag</b>             | C-Fc  |
| <b>Mol mass</b>        | 42.2 kDa  |
| <b>Expiration date</b> | 12 months   |
| <b>Bio activity</b>    | Measured by its ability to block human IL-15-induced proliferation of CTLL-2 mouse cytotoxic T cells. The ED50 for this effect is 0.35-3.5 ng/mL.           |

**Product feature**

|                          |   |
|--------------------------|---|
| <b>Purity</b>            | > 95% as determined by reducing SDS-PAGE.   |
| <b>Endotoxin (EU/μg)</b> | < 0.1   |
| <b>Storage</b>           | Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.   |
| <b>Shipping</b>          | Ice bag   |
| <b>Formulation</b>       | Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.   |
| <b>Reconstitution</b>    | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |

**Background**

Interleukin 15 Receptor alpha (IL-15Rα) is a transmembrane glyco Protein that plays a pleiotropic role in immune development and function, including the positive maintenance of lymphocyte homeostasis. IL-15Rα chain can bind soluble IL-15 and "transpresent" Cytokine to the cells, allowing them to respond to IL-15. Soluble IL-15Rα can function as a specific high-affinity IL-15 antagonist. The soluble IL-15/IL-15Rα complexes exhibit a strong agonistic activity which is mediated through membrane-bound IL-15 Receptor β and γ heterodimers and enables signaling to cells.