

Recombinant Human IL15RA/IL-15RA Protein (Fc Tag)

Catalog No. PKSH032566

Note: Centrifuge before opening to ensure complete recovery of vial contents.

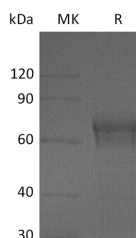
Description

Synonyms	CD215;IL15RA;CD215 antigen;IL-15 receptor subunit alpha;IL-15RA;IL-15R-alpha;interleukin 15 receptor;alpha;interleukin-15 receptor subunit alpha;MGC104179
Species	Human
Expression Host	HEK293 Cells
Sequence	Ile31-Thr172
Accession	Q13261-3
Calculated Molecular Weight	42.0 kDa
Observed molecular weight	60-75 kDa
Tag	C-Fc
Bioactivity	Measured by its ability to block human IL-15-induced proliferation of CTLL-2 mouse cytotoxic T cells. The ED ₅₀ for this effect is 0.35-3.5 ng/ml.

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

For Research Use Only

Background

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

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