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 μ g 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	

Data



> 95 % as determined by reducing SDS-PAGE.

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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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