Recombinant Mouse IL-15RA/CD215 Protein

Catalog No.: RP01373

Sequence Information

Species	Gene ID
Mouse	16169
Swiss Prot	**Tags**
Q60819-1	C-hFc&His

Synonyms

IL-15RA,CD215,AA690181,IL15RA

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.
Calculated MW	**Observed MW**
45.16 kDa	70-90 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Mouse interleukin-15 receptor subunit alpha, also known as Il15ra, is a high-affinity receptor for interleukin-15.Il15ra associates as a heterotrimer with the IL-2 receptor beta and gamma subunits (Common gamma chain, orgamma c) to initiate signal transduction. It can signal both in cis and trans where IL15R from one subset of cellspresents IL15 to neighboring IL2RG-expressing cells. Il15ra is expressed in special cells including a wide varietyof Tand B cells and non-lymphoid cells. Human Il15ra shares 45% amino acid sequence homology with themouse form of the receptor. Eight isoforms of IL-15 R alpha mRNA have been identified, resulting fromalternative splicing events involving different exons.

Basic Information

Description

Recombinant Mouse IL-15RA/CD215 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly33-Lys205) of mouse IL15RA/CD215 (Accession #NP_032384.1) fused with a Fc, 6×His tag at the C-terminus.

Activity

Measured by its binding ability in a functional ELISA.Immobilized Human IL15 at 1 μg/mL (100 μL/well) can bind Mouse IL15RA with a linear range of 0.3-77 ng/mL.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20℃

Operational Notes

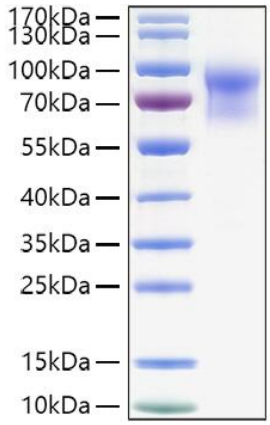
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

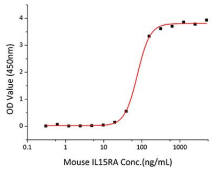
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Validation Data



Recombinant Mouse IL-15RA/CD215 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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