

Recombinant Human IL-15RA/CD215 Protein

Catalog No.: RP00437

Sequence Information

Species	Gene ID
Human	3601
Swiss Prot	Tags
Q13261-1	C-hFc

Synonyms

IL-15 R alpha; CD215; IL-15RA;
MGC104179

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC.

Calculated MW Observed MW

45.1 kDa 70-80 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Interleukin-15 receptor alpha (IL-15R alpha) is a high affinity IL-15 binding protein that is crucial for mediating IL-15 functions such as memory CD8 T cell proliferation and NK, NK/T cell, and intestinal intraepithelial lymphocyte development.

Basic Information

Description

Recombinant Human IL-15RA/CD215 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ile31-Thr205) of Human IL-15RA/IL-15 R alpha/CD215 (Accession #Q13261-1) fused with a C-hFc tag at the C-terminus.

Activity

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°C

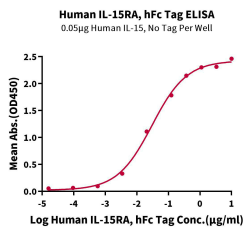
Operational Notes

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

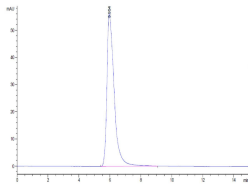
Contact

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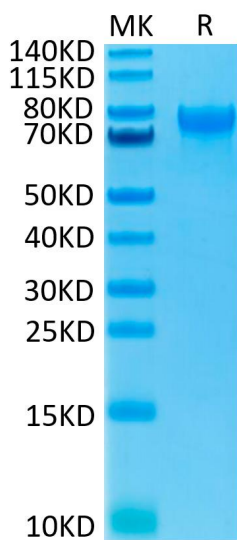
Validation Data



Immobilized Human IL-15, No Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Human IL-15RA, hFc Tag with the EC₅₀ of 30.2ng/mL determined by ELISA.



The purity of Human IL-15RA is greater than 95% as determined by SEC-HPLC.



Recombinant Human IL-15RA/CD215 Protein was determined by Tris-Bis PAGE under reducing conditions.