

Recombinant Human IL-15RA/CD215 Protein

Catalog No.: RP00436 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3601	Q13261-1

Tags

C-His&Avi

Synonyms

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

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE > 95% by HPLC

Calculated MW	Observed MW
21.3 kDa	50-70 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.

Contact

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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-His&Avi tag at the C-terminus.

Bio-Activity

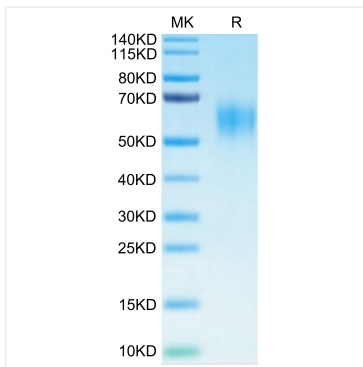
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

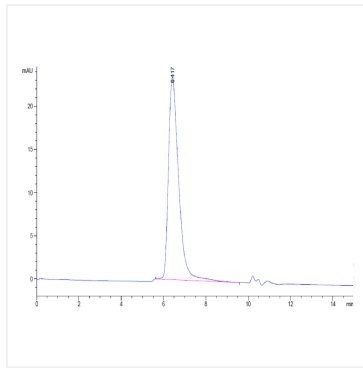
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

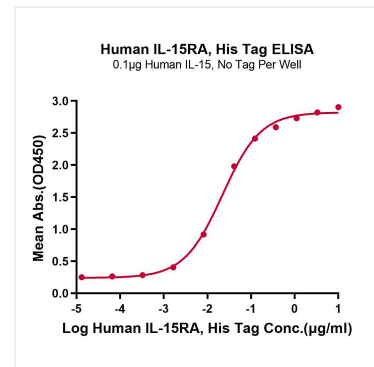
Validation Data



Human IL-15RA on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



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



Immobilized Human IL-15 at 1 µg/mL (100 µL/Well) on the plate. Dose response curve for Human IL-15RA, His Tag with the EC₅₀ of 22.1ng/mL determined by ELISA.