RP00436B

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# Biotinylated Recombinant Human IL-15RA/CD215 Protein

**Catalog No.: RP00436B** Recombinant

## Sequence Information

| Species | Gene ID | Swiss Prot |
|---|---|---|
| HEK293 cells | 3601 | Q13261-1 |

**Tags**

C-His&Avi

**Synonyms**

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

## Product Information

**Source**

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.

**Purification**

≥ 95 % as determined by SDS-PAGE;≥ 95 % as determined by HPLC.

**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.

## 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**

Biotinylated 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**

**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.

**Operational Notes**

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

**Storage**

Store at -20℃
Avoid repeated freeze/thaw cycles.

**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.

## Contact

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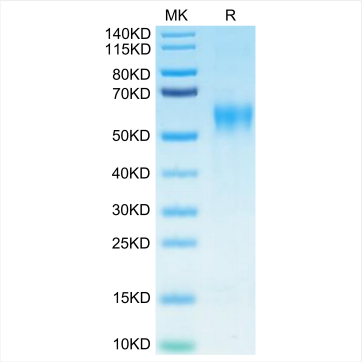
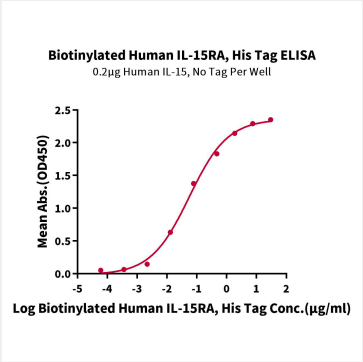
* For your safety and health, please wear a lab coat and disposable gloves when handling.

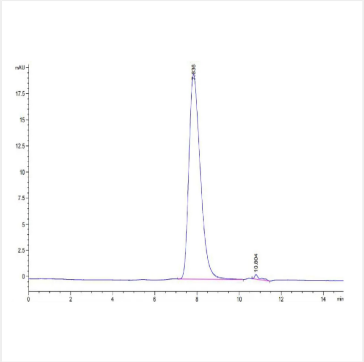
## Validation Data




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




Immobilized Human IL-15 at 2 μg/mL (100 μL/Well) on the plate. Dose response curve for Biotinylated Human IL-15RA, His Tag with the $EC_{50}$ of 55.8ng/mL determined by ELISA.



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