

# Biotinylated Recombinant Human IL-13RA1/CD213a1 Protein

Catalog No.: RP02568B **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	3597	P78552-1

### Tags

C-His&Avi

### Synonyms

IL-13 R alpha 1; IL13R; IL13RA; CT19;  
IL13RA1; NR4; CD213A1; AI882074

## Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE;> 95% by SEC-HPLC

Calculated MW	Observed MW
39.5 kDa	55-75 kDa

### Endotoxin

< 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 tube 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

Two type 1 membrane proteins belonging to the hemopoietin receptor family have been cloned and shown to bind IL-13 with differing affinities. The lower affinity IL-13 binding protein, previously designated IL-13 R alpha, IL-13 R alpha ' or NR4, is now referred to as IL-13 R alpha 1. The high-affinity IL-13 binding protein, previously also designated IL-13 R or IL-13 R alpha ', is now referred to as IL-13 R alpha 2.

## Basic Information

### Description

Biotinylated Recombinant Human IL-13RA1/CD213a1 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Ala27-Thr343) of Human IL-13RA1/CD213a1 fused with a His and Avi tag at the C-terminal.

### Bio-Activity

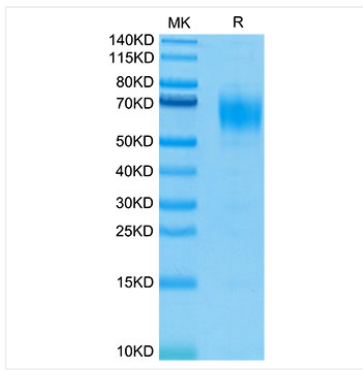
#### Storage

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

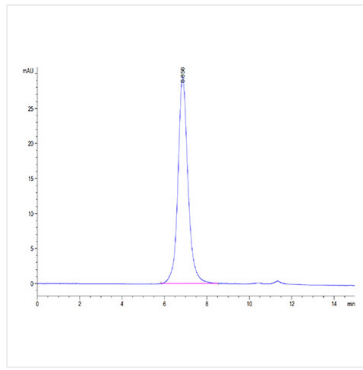
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

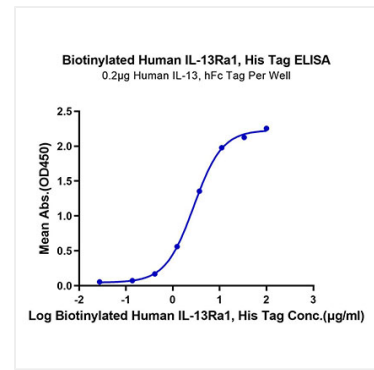
## Validation Data



Biotinylated Human IL-13Ra1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Biotinylated IL-13Ra1 is greater than 95% as determined by SEC-HPLC.



Immobilized Human IL-13, hFc Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human IL-13Ra1, His Tag with the EC<sub>50</sub> of 2.8µg/ml determined by ELISA.