

# Biotinylated Recombinant Human IL-13RA1/CD213a1 Protein

Catalog No.: RP02568 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human		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% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Endotoxin

Less than 1EU per µg by the LAL method.

## Formulation

### 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

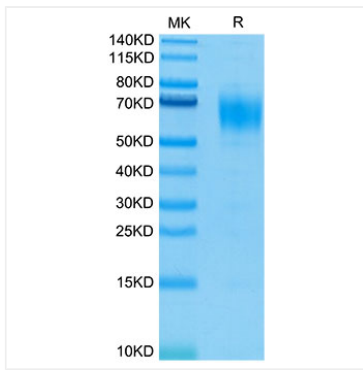
Recombinant Biotinylated Human IL-13Ra1 Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Ala27-Thr343.

### Bio-Activity

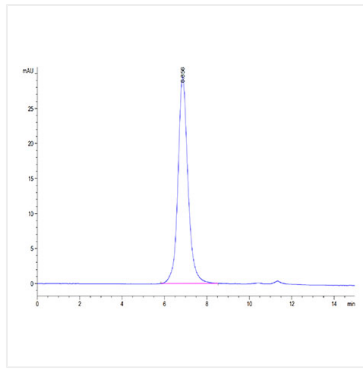
### Storage

Store the lyophilized protein at -20°C to -80°C for long term.  
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.

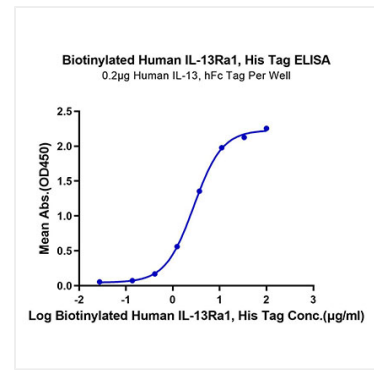
## Validation Data



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.