

Biotinylated Recombinant Human IL-13RA1 /CD213a1 Protein

Catalog No.: RP02568B

Sequence Information

Species	Gene ID
Human	3597
Swiss Prot	Tags
P78552-1	C-His&Avi

Synonyms

IL-13 R alpha 1; IL13R; IL13RA;
CT19; IL13RA1; NR4; CD213A1;
A1882074

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by 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.

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.

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

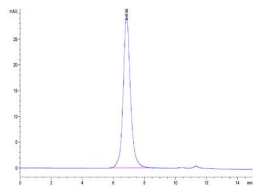
Operational Notes

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

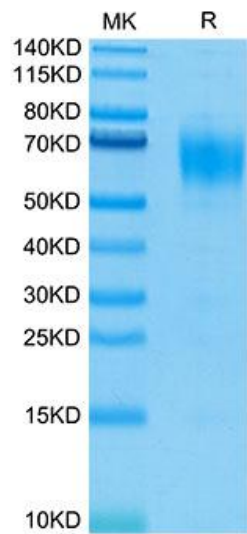
Contact

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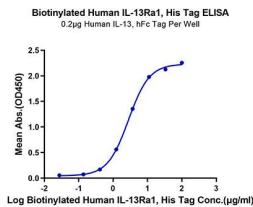
Validation Data



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



Biotinylated Recombinant Human IL-13Ra1/CD213a1 Protein was determined by Tris-Bis PAGE under reducing conditions.



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 EC₅₀ of 2.8µg/ml determined by ELISA.