

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; Al882074

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 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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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

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

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

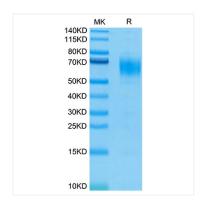
After reconstitution, the protein solution is stable at -20 $^{\circ}$ C for 3 months, at 2-8 $^{\circ}$ C for up to 1 week.

Avoid repeated freeze/thaw cycles.

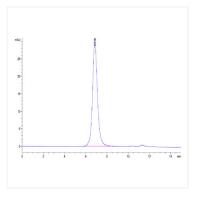
Operational Notes

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

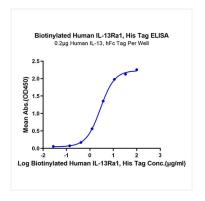
Validation Data



Biotinylated Recombinant Human IL-13RA1/CD213a1 Protein was determined by Tris-Bis PAGE under reducing conditions.



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



Immobilized Human IL-13, hFc Tag at $2\mu g/ml$ (100 μ l/well) on the plate. Dose response curve for Biotinylated Human IL-13Ra1, His Tag with the EC₅₀ of $2.8\mu g/ml$ determined by ELISA.