

RP01025

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# Recombinant Human IL-13RA1/CD213a1 Protein

Catalog No.: RP01025

Recombinant

## Sequence Information

| Species      | Gene ID | Swiss Prot |
|--------------|---------|------------|
| HEK293 cells | 3597    | P78552     |

### Tags

C-hFc&His

### Synonyms

CD213A1; CT19; IL-13Ra;  
NR4;IL13RA1;CT19;IL-13Ra;NR4

## Product Information

| Source       | Purification       |
|--------------|--------------------|
| HEK293 cells | > 97% by SDS-PAGE. |

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### 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 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

Interleukin 13 receptor, alpha 1, also known as IL13RA1/IL-13RA1 and CD213A1 (cluster of differentiation 213A1), is a subunit of the interleukin 13 receptor. IL13RA1 cDNA encodes a 427 amino acid (aa) residue precursor protein with a putative 21 aa residue signal peptide, a 324 aa residue extracellular domain, a 23 aa residue transmembrane region and a 59 aa residue cytoplasmic tail. This subunit together with IL4RA can form a functional receptor for IL13. 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. IL13RA1 also serves as an alternate accessory protein to the common cytokine receptor gamma chain for interleukin-4 (IL4) signaling, but cannot replace the function of IL2RG in allowing enhanced interleukin-2 (IL2) binding activity.

## Basic Information

### Description

Recombinant Human IL-13RA1/CD213a1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met 1-Thr 343) of human IL13RA1 (Accession #NP\_001551.1) fused with an Fc, 6×His tag at the C-terminus.

### 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.

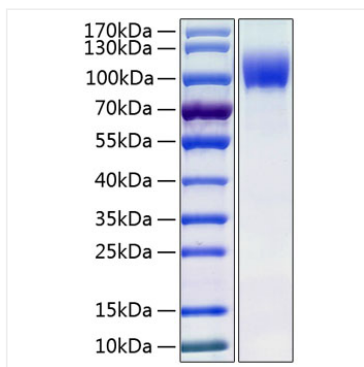
## Contact



[www.abclonal.com](http://www.abclonal.com)

## Validation Data

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Recombinant Human  
IL-13RA1/CD213a1 Protein was  
determined by SDS-PAGE with  
Coomassie Blue, showing a band at  
100-110 kDa.