

RP00764

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Recombinant Human IL-13RA1/CD213a1 Protein

Catalog No.: RP00764

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	3597	P78552

Tags

C-His

Synonyms

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

Background

Interleukin-13 receptor subunit alpha-1(IL13RA1) is a subunit of the interleukin 13 receptor. This subunit forms a receptor complex with IL4 receptor alpha, a subunit shared by IL13 and IL4 receptors. The human IL13-R α1 was originally cloned based on sequence homology to the mouse IL13-Rα1, it share 76% aa sequence identity. Human The IL13-R α 1 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 59aa residue cytoplasmic tail. The extracellular domain of IL13-Rα 1 is also closely related to that of IL13-Rα 2. It binds with low affinity to interleukin-13(IL13). IL13RA1 serves as a primary IL13- binding subunit of the IL13 receptor, and may also be a component of IL4 receptors. This protein has been shown to bind tyrosine kinase TYK2, and thus may mediate the signaling processes that lead to the activation of JAK1, STAT3 and STAT6 induced by IL13 and IL4.

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Basic Information

Description

Recombinant Human IL-13RA1/IL-13 R alpha 1 Protein is produced by Human cells expression system. The target protein is expressed with sequence (Gly22-Thr343) of human IL-13RA1/IL-13 R alpha 1 (Accession #P78552) fused with a 6xHis tag at the C-terminus.

Bio-Activity

Storage

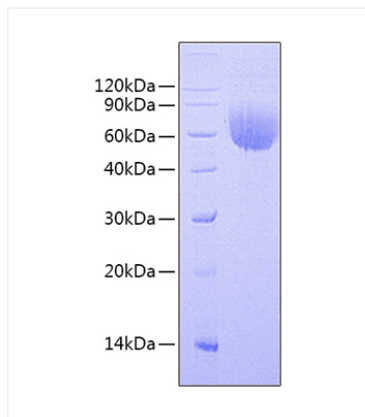
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Human IL-13RA1/CD213a1
Protein was determined by SDS-PAGE under
reducing conditions with Coomassie Blue.