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Datasheet for ABIN7520152

IL13 Receptor alpha 1 Protein (Fc Tag,His tag)

Overview

Quantity:	100 µg
Target:	IL13 Receptor alpha 1 (IL13RA1)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL13 Receptor alpha 1 protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Recombinant Human IL-13RA1/CD213a1 Protein
Sequence:	MEWPARLCGL WALLLCAGGG GGGGGAAPTE TQPPVTNLSV SVENLCTVIW TWNPPPEGASS NCSLWYFSHF GDKQDKKIAP ETRRSIEVPL NERICLQVGS QCSTNESEKP SILVEKCISP PEGDPESAVT ELQCIWHNLS YMKCSWLPGR NTSPDTNYTL YYWHRSLLEKI HQCENIFREG QYFGCSFDLT KVKDSSFEQH SVQIMVKDNA GKIKPSFNIV PLTSRVKPD PPHIKNLSFHN DDL YVQWENP QNFISRCLFY EVEVNNSQTE THNVFYVQEA KCENPEFERN VENTSCFMVP GVL PDLTNTV RIRVKTNLC YEDDKLWSNW SQEMSIGKKR NST
Specificity:	Met1-Thr343
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.

Target Details

Target: IL13 Receptor alpha 1 (IL13RA1)

Alternative Name: IL-13RA1/CD213a1 ([IL13RA1 Products](#))

Background: Description: 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.

Name: CD213A1, CT19, IL-13Ra, NR4,IL13RA1,CT19,IL-13Ra,NR4

Gene ID: 3597

UniProt: [P78552](#)

Pathways: [JAK-STAT Signaling](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

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.

Buffer: Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

Storage: -20 °C,-80 °C

Storage Comment: 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.