

Human CellExp IL13RA1/CD213A1, human recombinant protein
IL13RA1, CD213A1, IL-13Ra, NR4, RP13-128O4.2, IL13Rα1
Catalog # PBV11054r**Specification**

Human CellExp IL13RA1/CD213A1, human recombinant protein - Product infoPrimary Accession
Calculated MW[P78552](#)

This protein is fused with a 6×his tag at the C-terminus and the protein has a calculated MW of 38 kDa. DTT-reduced protein migrates as 55-65 kDa in SDS-PAGE due to glycosylation. KDa

Human CellExp IL13RA1/CD213A1, human recombinant protein - Additional InfoGene ID **3597**
Gene Symbol **IL13RA1****Other Names**

IL13RA1, CD213A1, IL-13Ra, NR4, RP13-128O4.2, IL13Rα1

Gene Source **Human**
Source **HEK293 cells**
Assay&Purity **SDS-PAGE; ≥98%**
Assay2&Purity2 **N/A;**
Recombinant **Yes**
Results

Measured by its binding ability in a functional ELISA. Immobilized rhIL13Ra1 at 2 µg/mL (100 µL/well) can bind rhIL13 with a linear range of 0.1-10 ng/mL.

Target/Specificity
IL13RA1/CD213A1**Application Notes**

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format
Lyophilized**Storage**

-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally Mannitol or Trehalose is added as protectants before lyophilization.

Human CellExp IL13RA1/CD213A1, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp IL13RA1/CD213A1, human recombinant protein - Images

Human CellExp IL13RA1/CD213A1, human recombinant protein - Background

Interleukin 13 receptor, alpha 1, also known as IL13RA1, NR4 and CD213A1 (cluster of differentiation 213A1), 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 59 aa residue cytoplasmic tail. Human and mouse IL13R α 1 share 76% aa sequence identity. 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. This subunit 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.

Human CellExp IL13RA1/CD213A1, human recombinant protein - References

Miloux B., et al. FEBS Lett. 401:163-166(1997).
Gauchat J.-F., et al. Submitted (JAN-1997) to the EMBL/GenBank/DDBJ databases.
Aman M.J., et al. J. Biol. Chem. 271:29265-29270(1996).
Wada M., et al. Submitted (SEP-1999) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).