

Datasheet for ABIN7196394

**IL13 Receptor alpha 1 Protein (Fc Tag)****1** Image[Go to Product page](#)

## Overview

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

## Product Details

Purpose:	Recombinant Rat IL13RA1 Protein (Fc Tag)
Sequence:	Met1-Thr342
Characteristics:	A DNA sequence encoding the rat IL13RA1 (Q561K3) (Met1-Thr342) was expressed, fused with the Fc region of human IgG1 at the C-terminus.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method

## Target Details

Target:	IL13 Receptor alpha 1 (IL13RA1)
Alternative Name:	IL13RA1 ( <a href="#">IL13RA1 Products</a> )
Background:	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. This subunit forms a receptor complex with IL4 receptor alpha, a subunit shared by IL13 and IL4 receptors.

## Target Details

IL13RA1/IL-13RA1 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. IL13RA1/IL-13RA1 binds with low affinity to interleukin-13 (IL13). This subunit together with IL4RA can form a functional receptor for IL13. IL13RA1/IL-13RA1 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.

Synonym: IL13RA1

Molecular Weight: 62.9 kDa

UniProt: [Q561K3](#)

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

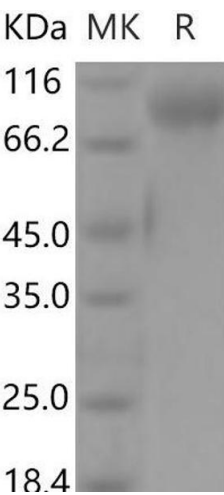
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.