

Datasheet for ABIN2181338

IL13 Receptor alpha 1 Protein (AA 26-340) (Fc Tag)[Go to Product page](#)**2** Images

Overview

Quantity:	200 µg
Target:	IL13 Receptor alpha 1 (IL13RA1)
Protein Characteristics:	AA 26-340
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL13 Receptor alpha 1 protein is labelled with Fc Tag.

Product Details

Sequence:	AA 26-340
Characteristics:	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 62.7 kDa. The protein migrates as 67-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	IL13 Receptor alpha 1 (IL13RA1)
Alternative Name:	IL-13 R alpha 1 (IL13RA1 Products)

Target Details

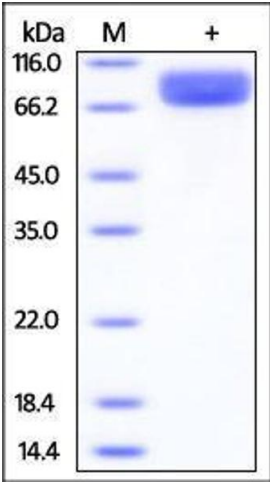
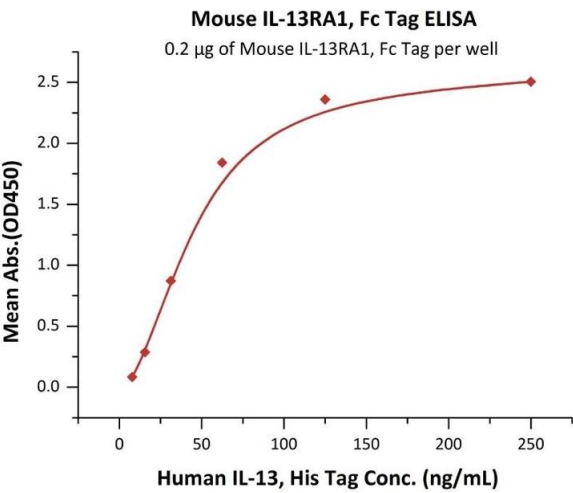
Background:	Interleukin 13 receptor, alpha 1 is also known as IL13RA1, NR4 and CD213A1 (cluster of differentiation 213A1), The IL13 Ra1 cDNA encodes a 427 amino acid (aa) residue precursor protein with a putative 21 aa residue signal peptide, a 324 aa residue extracellular domain, a 23 aa residue transmembrane region and a 59 aa residue cytoplasmic tail. Human and mouse IL13Ra1 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.
Molecular Weight:	62.7 kDa
NCBI Accession:	NP_598751
Pathways:	JAK-STAT Signaling , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	Tris with Glycine, Arginine and NaCl, pH 7.5
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C), After reconstitution under sterile conditions for 3 months (-70 °C).



ELISA

Image 1. Immobilized Mouse IL-13RA1, Fc Tag (ABIN2181338,ABIN2181337) at 2 µg/mL (100 µL/well) can bind Human IL-13, His Tag (ABIN6923160,ABIN6938873) with a linear range of 8-63 ng/mL (QC tested).

SDS-PAGE

Image 2.