

Datasheet for ABIN7491185  
**IL-13 Protein (AA 35-146) (Fc Tag)**



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1 Image

## Overview

Quantity:	100 µg
Target:	IL-13 (IL13)
Protein Characteristics:	AA 35-146
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-13 protein is labelled with Fc Tag.

## Product Details

Purpose:	Recombinant human IL13(35-146) protein with C-terminal human Fc tag
Specificity:	IL13 (Gly35-Asn146) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

## Target Details

Target:	IL-13 (IL13)
Alternative Name:	IL13 ( <a href="#">IL13 Products</a> )
Background:	This gene encodes an immunoregulatory cytokine produced primarily by activated Th2 cells.

## Target Details

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This cytokine is involved in several stages of B-cell maturation and differentiation. It up-regulates CD23 and MHC class II expression, and promotes IgE isotype switching of B cells. This cytokine down-regulates macrophage activity, thereby inhibits the production of pro-inflammatory cytokines and chemokines. This cytokine is found to be critical to the pathogenesis of allergen-induced asthma but operates through mechanisms independent of IgE and eosinophils. This gene, IL3, IL5, IL4, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL4. [provided by RefSeq, Jul 2008]

**Molecular Weight:** predicted molecular mass of 38.4 kDa after removal of the signal peptide. The apparent molecular mass of IL13(35-146)-hFc is 33-53 kDa due to glycosylation.

**UniProt:** [P35225](#)

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

## Application Details

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**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

**Buffer:** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

**Storage:** -20 °C,-80 °C

**Storage Comment:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

**Expiry Date:** 12 months



### SDS-PAGE

**Image 1.** Human IL13(35-146) Protein, hFc Tag on SDS-PAGE under reducing condition.