

### Datasheet for ABIN7491185

# IL-13 Protein (AA 35-146) (Fc Tag)

# 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 (IL13 Products)  |
| Background:       | This gene encodes an immunoregulatory cytokine produced primarily by activated Th2 cells. |

Molecular Weight:

UniProt:

Pathways:

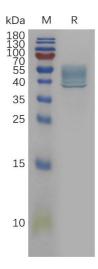
| This cytokine is involved in several stages of B-cell maturation and differentiation. It up-  |
|---|
| regulates CD23 and MHC class II expression, and promotes IgE isotype switching of B cells.  |
| This cytokine down-regulates macrophage activity, thereby inhibits the production of pro-   |
| inflammatory 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]   |
| chromosome 5q, with this gene particularly close to IL4. [provided by RefSeq, Jul 2008]  predicted molecular mass of 38.4 kDa after removal of the signal peptide. The apparent |
|   |
| predicted molecular mass of 38.4 kDa after removal of the signal peptide. The apparent  |

## **Application Details**

Mediator of Immune Response, Proton Transport

## Handling

| 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.