

# Mouse IL13RA2 / CD213A2 (His & Fc Tag) recombinant protein



Catalog Number: 501642

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Lys 334) of mouse IL13R $\alpha$ 2 (NP\_032382.1) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

1. Immobilized human IL13 at 20  $\mu$ g/ml (100  $\mu$ l/well) can bind mouse IL13RA2 with a linear ranger of 0.5-2  $\mu$ g/ml.
2. Measured by its ability to inhibit IL13 dependent proliferation of TF1 human erythroleukemic cells. Kitamura, T. et al. (1989) J. Cell Physiol. 140: 323. The ED<sub>50</sub> for this effect is typically 0.05-0.15  $\mu$ g/mL.

### Purity

> 85 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu$ g of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Leu 22

### Molecular Mass

The recombinant mouse IL13R $\alpha$ 2/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 561 amino acids and has a predicted molecular mass of 64.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmIL13R $\alpha$ 2/Fc monomer is approximately 75-80 kDa due to glycosylation.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

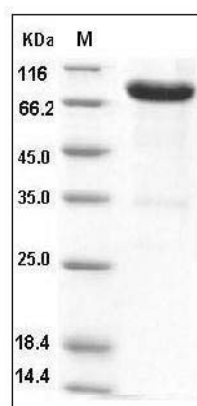
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Mouse IL13RA2 / CD213A2 Protein (His & Fc Tag)  
SDS-PAGE