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

Catalog Number: 502110



#### **General Information**

#### Gene Name Synonym

Interleukin-13-binding protein

#### **Protein Construction**

A DNA sequence encoding the extracellular domain of human IL13R?2 (NP\_000631.1) (Met 1-Leu 342) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

#### **Organism**

Human

#### **Expression Host**

**Human Cells** 

## **QC Testing**

#### **Activity**

Measured by its binding ability in a functional ELISA. Immobilized recombinant human IL13RA2 at 8  $\mu$ g/ml (100  $\mu$ l/well) can bind IL13 with a linear range of 0.25-8.0 ng/ml.

#### **Purity**

> 75 % 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**

#### **Molecular Mass**

The recombinant human IL13R?2/Fc is a disulfide-linked homodimeric protein after proteolytic removal of the signal peptide. The reduced monomer consists of 563 amino acids and predicts a molecular mass of 65 kDa. As a result of glycosylation, the rh IL13R?2/Fc monomer migrates as an approximately 90-100 kDa band in SDS-PAGE under reducing conditions.

#### **Formulation**

Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5

- 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

### **Usage Guide**

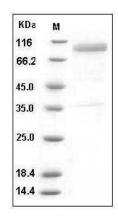
#### **Storage**

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**



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SDS-PAGE