

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 α 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 μ g/ml (100 μ 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 μ 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

Asp 27

Molecular Mass

The recombinant human IL13R α 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 α 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

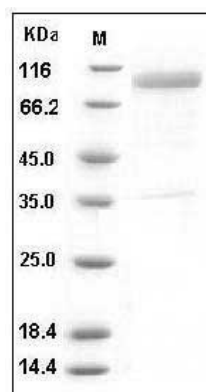
Storage

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