

Human IL13RA1/IL-13RA1 (His & Fc Tag) recombinant protein



Catalog Number: 503958

General Information

Gene Name Synonym

Cancer/testis antigen 19

Protein Construction

A DNA sequence encoding the human IL13R α 1 (NP_001551.1) extracellular domain (Met 1-Thr 343) 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 cynomolgus IL-13 at 4 μ g/ml (100 μ l/well) can bind human IL13RA1-Fc with a linear rangel of 0.156-2.5 μ g/ml.

Purity

> 97 % 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

Gly 22

Molecular Mass

The recombinant human IL13R α 1/Fc is a disulfide-linked homodimer. The reduced monomer consists of 570 amino acids and has a predicted molecular mass of 65 kDa. As a result of glycosylation, the apparent molecular mass of rh IL13R α 1/Fc monomer migrates with an apparent molecular mass of 85-95 kDa in SDS-PAGE under reducing conditions.

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

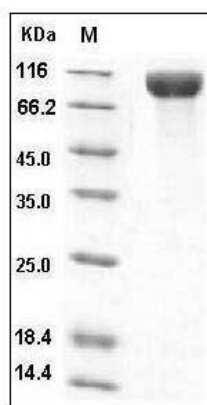
Storage

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



Human IL13RA1 Protein (His & Fc Tag) SDS-PAGE