Human IL13 / ALRH (Fc Tag) recombinant protein

Catalog Number: 503572

General Information

Protein Construction

A DNA sequence encoding the mature form of human IL13 (AAK53823.1) (Gly 21-Asn 132) was fused with the Fc region of human IgG1 at the N-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 μg/ml (100 μl/well) can bind IL13 with a linear range of 0.25-8.0 ng/ml.

Purity

> 98 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

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

Predicted N terminal

Glu 20

Molecular Mass

The recombinant human Fc/IL13 chimera is a disulfide-linked homodimeric protein. The reduced monomer consists of 349 amino acids and predicts a molecular mass of 39 kDa. The apparent molecular mass of rhIL13/Fc monomer is approximately 50-55 kDa in SDS-PAGE under reducing conditions 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

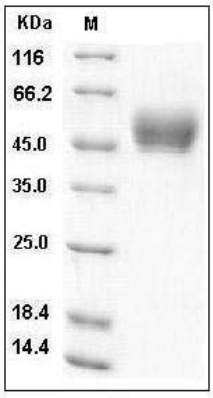
Storage

Store it under sterile conditions at -20℃ to -80℃. 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 IL13 / ALRH Protein (Fc Tag) SDS-PAGE