

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



Catalog Number: 500955

General Information

Gene Name Synonym

Interleukin-13-binding protein; Novel cytokine receptor 4

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Thr 340) of mouse IL13R β 1 (NP_598751.3) precursor 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

Immobilized mouse IL13 (Cat:501816) at 10 μ g/ml (100 μ l/well) can bind mouse IL13RA1-Fc with a linear range of 0.06-0.5 μ g/ml.

Purity

> 95 % 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

Ala 26

Molecular Mass

The recombinant mouse IL13R β 1/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 563 amino acids and has a predicted molecular mass of 64 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm IL13R β 1/Fc monomer is approximately 80-90 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

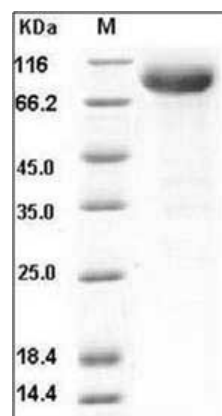
Storage

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 IL-13Ra1 Protein (His & Fc Tag) SDS-PAGE