

Mouse IL13RA2 / CD213A2 (His Tag) recombinant protein



Catalog Number: 503676

General Information

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Lys 334) of mouse IL13R β 2 (NP_032382.1) precursor was fused with a polyhistidine tag at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to inhibit IL13 dependent proliferation of TF1 human erythroleukemic cells. Kitamura, T. et al. (1989) J. Cell Physiol. 140: 323. The ED₅₀ for this effect is typically 0.1-0.5 μ g/mL.

Purity

> 98 % 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

Leu 22

Molecular Mass

The recombinant mouse IL13R β 2 consists of 324 amino acids after removal of the signal peptide and has a predicted molecular mass of 38 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmIL13R β 2 is approximately 45-50 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

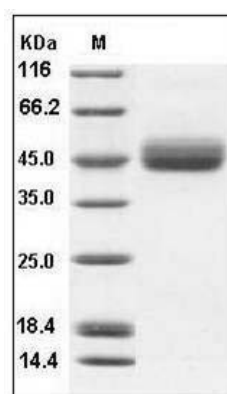
Storage

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 IL13RA2 / CD213A2 Protein (His Tag) SDS-PAGE