

Mouse TNFR2/CD120b/TNFRSF1B (Fc Tag) recombinant protein



Catalog Number: 501603

General Information

Gene Name Synonym

Tumor necrosis factor receptor 2; Tumor necrosis factor receptor type II; p75; p80 TNF-alpha receptor

Protein Construction

A DNA sequence encoding the extracellular domain of mouse TNFRSF1B (NP_035740.2) (Met 1-Gly 258) was fused with the Fc region of human IgG1 at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured in a cytotoxicity assay using L929 mouse fibrosarcoma cells in the presence of the metabolic inhibitor actinomycin D. The ED₅₀ for this effect is typically 4-16 ng/mL in the presence of 0.5 ng/mL of Recombinant Mouse TNFα.

Purity

> 95 % 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°C

Predicted N terminal

Val 23

Molecular Mass

The recombinant mouse TNFRSF1B/Fc is a disulfide-linked homodimer. The reduced monomer consists of 477 amino acids and has a predicted molecular mass of 52.3 kDa. In SDS-PAGE under reducing conditions, rm TNFRSF1B/Fc monomer migrates as an approximately 65 kDa band 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

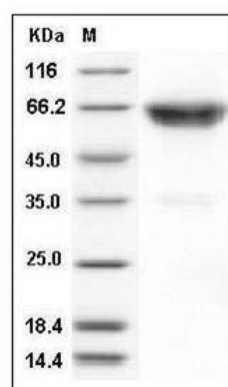
Storage

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



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Tag) SDS-PAGE