

Mouse TNFR1/CD120a/TNFRSF1A (His Tag) recombinant protein



Catalog Number: 504575

General Information

Protein Construction

A DNA sequence encoding the mouse TNFRSF1A (NP_035739.2) extracellular domain (Met 1-Ala 212) was expressed, with a polyhistidine tag at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized human TNF α at 10 μ g/mL (100 μ l/well) can bind biotinylated mouse TNFRSF1A-his. The EC₅₀ of biotinylated mouse TNFRSF1A-his is 0.28 μ g/mL.
3. Immobilized mouse TNF α at 10 μ g/mL (100 μ l/well) can bind biotinylated mouse TNFRSF1A-his. The EC₅₀ of biotinylated mouse TNFRSF1A-his is 0.13 μ g/mL.
4. Measured by its ability to inhibit the TNF α mediated cytotoxicity in the L929 mouse fibrosarcoma cells in the presence of the metabolic inhibitor actinomycin D. The ED₅₀ for this effect is typically 0.5-1.5 μ g/mL in the presence of 0.1 ng/mL recombinant mouse TNF α .

Purity

> 96 % 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 30

Molecular Mass

The secreted recombinant mouse TNFRSF1A consists of 194 amino acids and has a predicted molecular mass of 21.8 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm TNFRSF1A is approximately 35 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

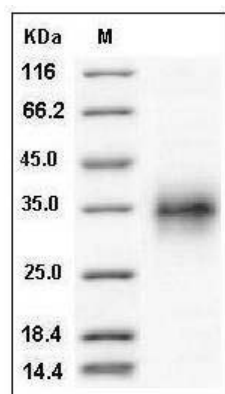
Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE

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