

Mouse TRAIL R2/CD262/TNFRSF10B (His & Fc Tag) recombinant protein



Catalog Number: 503492

General Information

Gene Name Synonym

Death receptor 5; MK

Protein Construction

A DNA sequence encoding the extracellular domain of mouse TNFRSF10B (NP_064671.2) (Met 1-Ser 177) 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

1. Immobilized human TNFSF10 (Cat:501935) at 10 µg/ml (100 µl/well) can bind mouse TNFRSF10B-Fc, The EC₅₀ of mouse TNFRSF10B-Fc is 0.07-0.17 µg/ml.
2. Measured by its ability to inhibit TRAIL-mediated cytotoxicity using L-929 mouse fibroblast cells treated with TRAIL. The ED₅₀ for this effect is typically 20-80 ng/ml in the presence of 20 ng/ml Recombinant Human TRAIL/TNFSF10.

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

Asn 53

Molecular Mass

The recombinant mouse TNFRSF10B/Fc chimera is a disulfide-linked homodimer. The reduced monomer consists of 373 amino acids and has a calculated molecular mass of 41.8 kDa. As a result of glycosylation, the apparent molecular mass of the TNFRSF10B/Fc monomer is approximately 50-55 kDa in SDS-PAGE under reducing conditions.

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

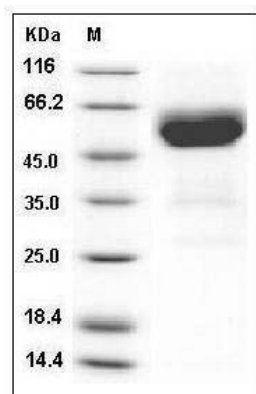
Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE

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(His & Fc Tag) SDS-PAGE