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

Catalog Number: 502869

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 expressed, with a C-terminal polyhistidine tag.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

1. Immobilized mouse TNFRSF10B-His at 10 μg/ml (100 μl/well) can bind biotinylated human TNFSF10 (Cat:501935), The EC_{50} of biotinylated human TNFSF10 (Cat:501935) is 0.16-0.38 μg/ml.
2. Measured by its ability to inhibit TRAIL-mediated cytotoxicity using L-929 mouse fibroblast cells treated with TRAIL. The ED_{50} for this effect is typically 0.5-2 μg/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℃

Predicted N terminal

Asn 53

Molecular Mass

The secreted recombinant mouse TNFRSF10B consists of 136 amino acids and has a calculated molecular mass of 15 kDa. As a result of glycosylation, the apparent molecular mass of the recombinant protein is approximately 25-35 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

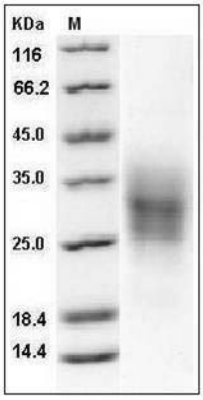
Storage

Store it under sterile conditions at -20℃ to -80℃. 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 TRAIL R2 / CD262 / TNFRSF10B Protein (His Tag) SDS-PAGE