

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



Catalog Number: 504539

General Information

Protein Construction

A DNA sequence encoding the human TNFRSF10B (NP_003833.3) extracellular domain (Met 1-Glu 182) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA. Immobilized human TNFSF10 at 10 µg/ml (100 µl/well) can bind human TNFRSF10B Fc chimera with a linear range of 2.5-40 ng/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 5-60 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

Ile 56

Molecular Mass

The recombinant human TNFRSF10B/Fc is a disulfide-linked homodimer. The reduced monomer consists of 375 amino acids and has a predicted molecular mass of 42.4 kDa. As a result of glycosylation, the apparent molecular mass of rh TNFRSF10B/Fc monomer migrates with an apparent molecular mass of 50 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

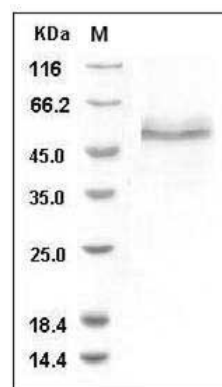
Storage

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



Human TRAIL R2 / CD262 / TNFRSF10B Protein (His & Fc Tag) SDS-PAGE