

Human TRAIL R4/CD264/TNFRSF10D (His & Fc Tag) recombinant protein



Catalog Number: 503594

General Information

Gene Name Synonym

Decoy receptor 2; TNF-related apoptosis-inducing ligand receptor 4; TRAIL receptor with a truncated death domain

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-His 211) of human TNFRSF10D (NP_003831.2) was fused with the C-terminal His-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 TNFRSF10D Fc Chimera at 10 µg/ml (100 µl/well) can bind biotinylated TNFSF10 with a linear range of 0.625-20 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 0.2-1 µg/mL in the presence of 20 ng/ml Recombinant Human TRAIL/TNFSF10.

Purity

> 98 % 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

Ala 56

Molecular Mass

The recombinant human TNFRSF10D/Fc is a disulfide-linked homodimeric protein after removal of the signal peptide. The reduced monomer consists of 403 amino acids and predicts a molecular mass of 44.7 kDa. As a result of glycosylation, rhTNFRSF10D/Fc monomer migrates with the molecular mass of approximately 65-80 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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