

# Human TRAIL R1/CD261/TNFRSF10A (His & Fc Tag) recombinant protein



Catalog Number: 504538

## General Information

### Protein Construction

A DNA sequence encoding the human TNFRSF10A (NP\_003835.2) extracellular domain (Met 1-Asn 239) 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 TNFRSF10A Fc Chimera 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 ED<sub>50</sub> for this effect is typically 5-20 ng/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 109

## Molecular Mass

The recombinant human TNFRSF10A/Fc is a disulfide-linked homodimer. The reduced monomer consists of 378 amino acids and has a predicted molecular mass of 42 kDa. As a result of glycosylation, the apparent molecular mass of rh TNFRSF10A/Fc monomer migrates with an apparent molecular mass of 47 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

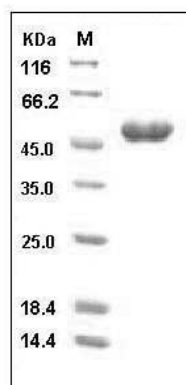
### Storage

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 R1 / CD261 / TNFRSF10A Protein (His & Fc Tag) SDS-PAGE