

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



Catalog Number: 500083

## 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 human TNFRSF10D (NP\_003831.2) extracellular domain (Met 1-His 211) was fused with a polyhistidine tag 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 at 10 µg/ml (100 µl/well) can bind biotinylated TNFSF10 with a linear range of 0.625-40 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 0.05-0.5 µg/mL in the presence of 20 ng/ml Recombinant Human TRAIL/TNFSF10.

### Purity

> 90 % 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 consists of 167 amino acids after removal of the signal peptide and has a predicted a molecular mass of 18.4 kDa. As a result of glycosylation, the apparent molecular mass of rhTNFRSF10D is approximately 30-40 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.

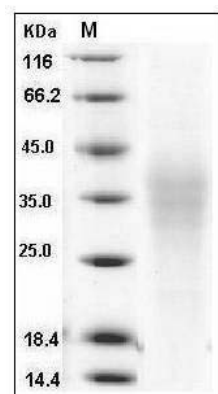
### SDS-PAGE

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(His Tag) SDS-PAGE