RP01388

Leader in Biomolecular Solutions for Life Science

www.abclonal.com

# Recombinant Human TNFRSF10B/DR5/TRAIL-R2/CD262 Protein

**Catalog No.: RP01388** Recombinant

## Sequence Information

| Species | Gene ID | Swiss Prot |
|---|---|---|
| HEK293 cells | 8795 | O14763-1 |

**Tags**
C-hFc&His

**Synonyms**
CD262;DR5;KILLER;KILLER/DR5;TRAIL-R2;TRAILR2;TRICK2;TRICK2A;TRICK2B;TRICKB;ZTNFR9;TNFRSF10B

## Product Information

**Source**
HEK293 cells

**Purification**
> 95% by SDS-PAGE.

**Endotoxin**
<0.1EU/μg

**Formulation**
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

**Reconstitution**
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

www.abclonal.com

## Background

This protein is a member of the TNF-receptor superfamily, and contains an intracellular death domain. This receptor can be activated by tumor necrosis factor-related apoptosis inducing ligand (TNFSF10/TRAIL/APO-2L), and transduces an apoptosis signal. Studies with FADD-deficient mice suggested that FADD, a death domain containing adaptor protein, is required for the apoptosis mediated by this protein.

## Basic Information

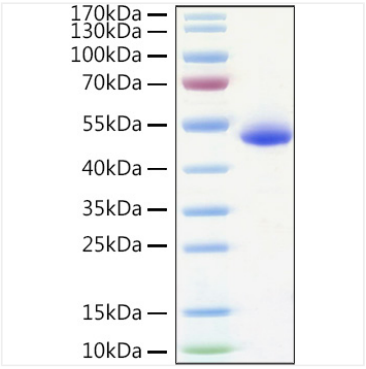
**Description**
Active Recombinant Human TNFRSF10B/DR5/TRAIL-R2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ile56-Glu182) of human DR5/TRAIL R2 (Accession #NP_003833.3) fused with a Fc, 6×His tag at the C-terminus.

**Bio-Activity**
1.Measured by its binding ability in a functional ELISA.Immobilized Human TNFRSF10B at 1 μg/mL (100 μL/well) can bind Human TNFSF10 with a linear range of 0.1-11.7 ng/mL.|2.Measured by its ability to inhibit TRAIL-mediated cytotoxicity using L_x001e_929 mouse fibroblast cells treated with TRAIL. The $ED_{50}$ for this effect is 30-120 pg/mL in the presence of 20 ng/mL Recombinant Human TRAIL/TNFSF10.

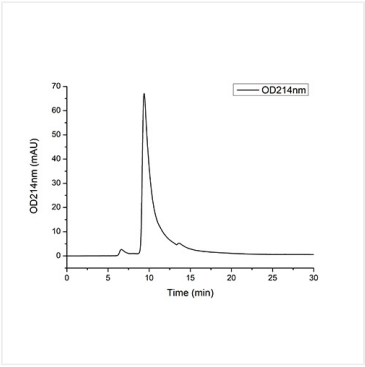
**Storage**
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

* For your safety and health, please wear a lab coat and disposable gloves when handling.

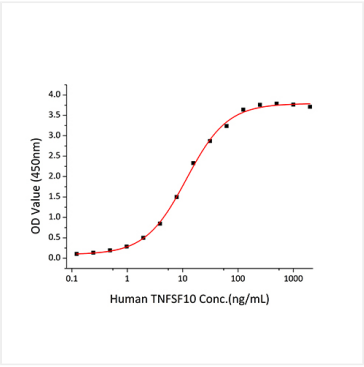
## Validation Data



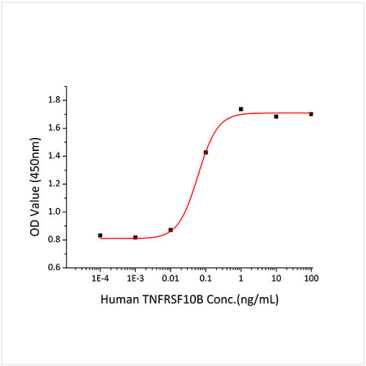

Recombinant Human TNFRSF10B/DR5/TRAIL-R2/CD262 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.




The purity of Human DR5/TRAIL R2 Protein (Cat.RP01388) was greater than 90% as determined by SEC-HPLC.




Immobilized Human TNFRSF10B at 1 μg/mL (100 μL/well) can bind Human TNFSF10 with a linear range of 0.1-11.7 ng/mL.




Recombinant Human TNFRSF10B inhibit TRAIL-mediated cytotoxicity using L-929 mouse fibroblast cells treated with TRAIL. The $ED_{50}$ for this effect is 30-120 pg/mL in the presence of 20 ng/mL Recombinant Human TRAIL/TNFSF10.