

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

Catalog No.: RP00282 **Recombinant**

## Sequence Information

**Species** Human    **Gene ID** 8795    **Swiss Prot** O14763-1

**Tags**  
C-His

### Synonyms

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

## Product Information

**Source** HEK293 cells    **Purification** ≥ 90 % as determined by SDS-PAGE.

**Calculated MW** 15.13 kDa    **Observed MW** 15-25 kDa

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze/thaw cycles.

## Contact

	400-999-6126
	<a href="mailto:cn.market@abclonal.com.cn">cn.market@abclonal.com.cn</a>
	<a href="http://www.abclonal.com.cn">www.abclonal.com.cn</a>

## 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

Recombinant Human TNFRSF10B/DR5/TRAIL-R2/CD262 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Ile 56 - Glu 182) of human DR5 (Accession #NP\_003833.3) fused with a 6×His tag at the C-terminus.

### Bio-Activity

1. Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human TRAIL at 2 μg/mL (100 μL/well) can bind Recombinant Human DR5 with a linear range of 14-56 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 0.38-1.5 pg/mL in the presence of 20 ng/mL Recombinant Human TRAIL/TNFSF10. 3. Measured by its binding ability in a functional ELISA. Immobilized Human TRAIL / TNFSF10 Protein at 2 μg/mL (100 μL/well) can bind Human CD262 Protein with a linear range of 0.5-14.1 ng/mL.

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

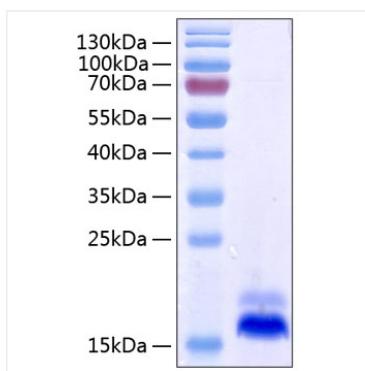
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

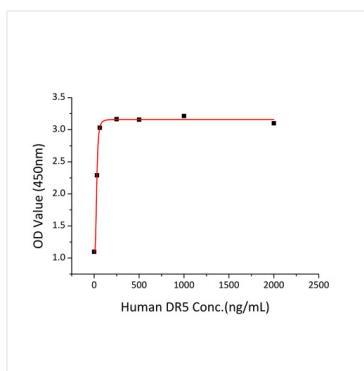
### Operational Notes

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

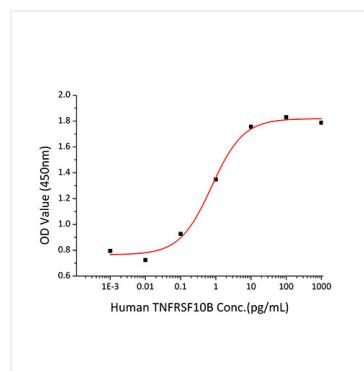
## Validation Data



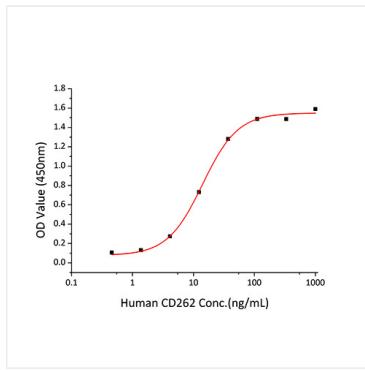
Recombinant Human TNFRSF10B/DR5/TRAIL-R2/CD262 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Recombinant Human TRAIL at 2 $\mu$ g/mL (100  $\mu$ L/well) can bind Recombinant Human DR5 with a linear range of 14-56 ng/mL.



Recombinant Human TNFRSF10B inhibit TRAIL-mediated cytotoxicity using L-929 mouse fibroblast cells treated with TRAIL. The ED<sub>50</sub> for this effect is 0.38-1.5 pg/mL in the presence of 20 ng/mL Recombinant Human TRAIL/TNFSF10.



Immobilized Human TRAIL / TNFSF10 Protein at 2 $\mu$ g/mL (100  $\mu$ L/well) can bind Human CD262 Protein with a linear range of 0.5-14.1 ng/mL.