RP00282

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

Catalog No.: RP00282 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	8795	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.

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 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

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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

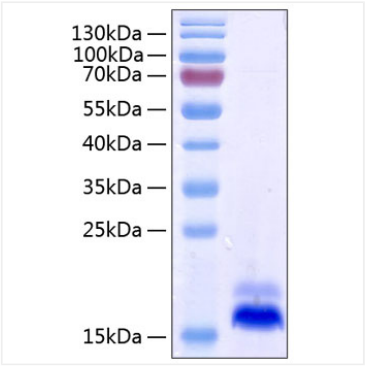
Description
Recombinant Human TNFRSF10B/DR5/TRAIL-R2/CD262 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Ile 56 - Glu 182) of human DR5 (Accession #NP_003833.3) fused with a 6×His tag at the C-terminus.

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_{50} 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 2μg/mL (100 μL/well) can bind Human CD262 Protein with a linear range of 0.5-14.1 ng/mL.

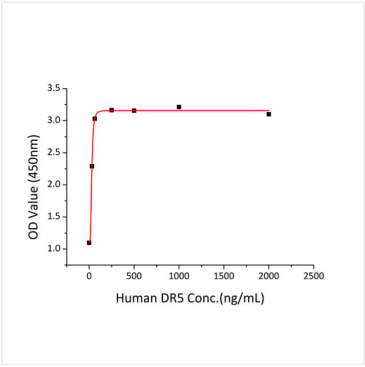
Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

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

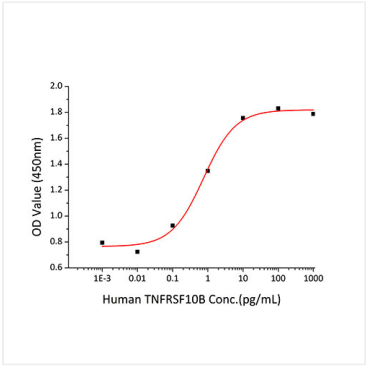
Validation Data



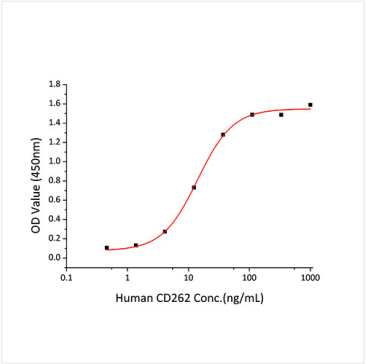
Recombinant Human TNFRSF10B/DR5/TRAIL-R2/CD262 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Recombinant Human TRAIL at 2μg/mL (100 μL/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_{50} 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 2μg/mL (100 μL/well) can bind Human CD262 Protein with a linear range of 0.5-14.1 ng/mL.