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Recombinant Human TNFRSF10D/DcR2/TRAIL-R4/CD264 Protein

Catalog No.: RP00992 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	8793	Q9UBN6

Tags
C-hFc&His

Synonyms
CD264; DCR2; TRAIL-R4; TRAILR4; TRUNDD;TNFRSF10D;DCR2;TRAIL-R4;TRAILR4;TRUNDD

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
43.59 kDa	60-70 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 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

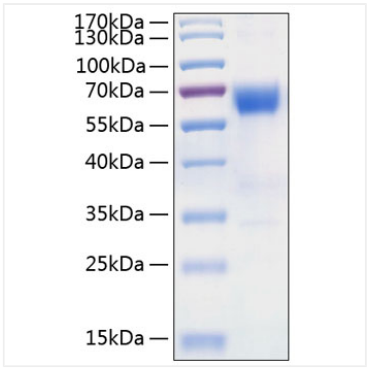
Basic Information

Description
Active Recombinant Human TNFRSF10D/DcR2/TRAIL-R4 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala 56 - His 211) of human DcR2 (Accession #NP_003831.2) fused with an Fc, 6×His tag at the C-terminus.

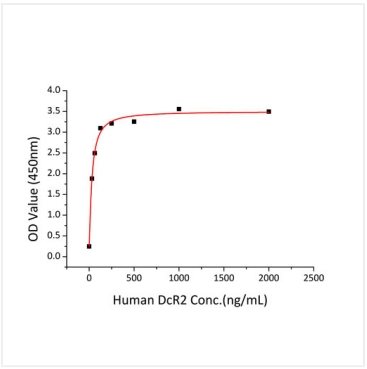
Bio-Activity
1.Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human TRAIL at 2 μg/mL (100 μL/well) can bind Recombinant Human DcR2 with a linear range of 15-60 ng/mL.|2.Measured by its ability to inhibit TRAIL-mediated cytotoxicity using L-929 mouse fibroblast cells treated with TRAIL. The ED_{50} for this effect is 1.8-7.2 ng/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.

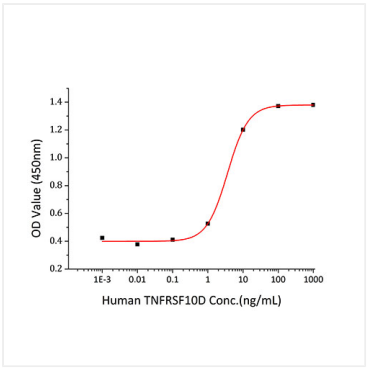
Validation Data



Recombinant Human TNFRSF10D/DcR2/TRAIL-R4/CD264 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 DcR2 with a linear range of 15-60 ng/mL.



Recombinant Human TNFRSF10D inhibit TRAIL-mediated cytotoxicity using L-929 mouse fibroblast cells treated with TRAIL. The ED_{50} for this effect is 1.8-7.2 ng/mL in the presence of 20 ng/mL Recombinant Human TRAIL/TNFSF10.