

Datasheet for ABIN7275779

TNFRSF10B Protein (AA 56-182) (His-Avi Tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	TNFRSF10B
Protein Characteristics:	AA 56-182
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNFRSF10B protein is labelled with His-Avi Tag.

Product Details

Purpose:	Human TRAIL R2/DR5/TNFRSF10B Protein
Sequence:	Ile56-Glu182
Characteristics:	Recombinant Human TRAIL R2/DR5/TNFRSF10B Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Ile56-Glu182.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human TRAIL R2, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-TRAIL R2 Antibody, hFc Tag with the EC50 of 7.9ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	TNFRSF10B
Alternative Name:	TRAIL R2 (TNFRSF10B Products)
Background:	DR5, also called TRAIL R2, TRICK 2, TNFRSF10B, and MK is a type 1 TNF R superfamily, membrane protein which is a receptor for TRAIL (APO2 ligand). DR5 is a receptor for the cytotoxic ligand TNFSF10/TRAIL. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis.
Molecular Weight:	17.2 kDa. Due to glycosylation, the protein migrates to 20-25 kDa based on Tris-Bis PAGE result.
Pathways:	p53 Signaling , Apoptosis , Positive Regulation of Endopeptidase Activity

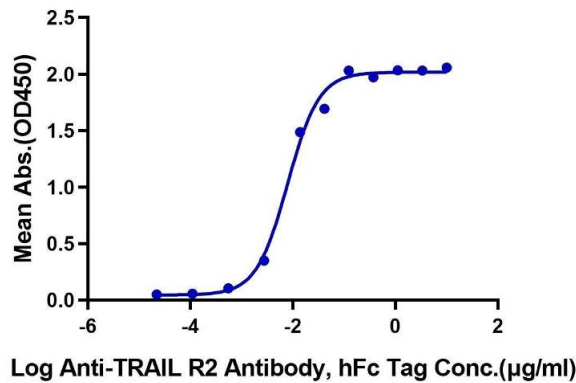
Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Human TRAIL R2, His Tag ELISA
0.05µg Human TRAIL R2, His Tag Per Well



ELISA

Image 1. Immobilized Human TRAIL R2, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-TRAIL R2 Antibody, hFc Tag with the EC50 of 7.9 ng/mL determined by ELISA.

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human TRAIL R2 is greater than 95 % as determined by SEC-HPLC.

SDS-PAGE

Image 3. Human TRAIL R2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

