

Datasheet for ABIN7275784

TNFRSF10B Protein (AA 53-180) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	TNFRSF10B
Protein Characteristics:	AA 53-180
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNFRSF10B protein is labelled with His tag.

Product Details

Purpose:	Mouse TRAIL R2/DR5/TNFRSF10B Protein
Sequence:	Asn53-Lys180
Characteristics:	Recombinant Mouse TRAIL R2/DR5/TNFRSF10B Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Asn53-Lys180.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by SEC-HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 0.43 nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

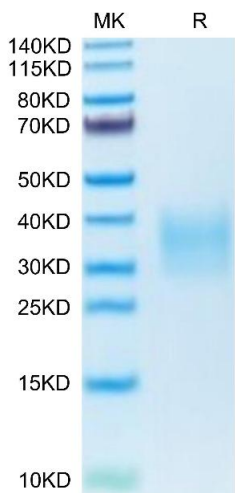
Target:	TNFRSF10B
Alternative Name:	TRAIL R2 (TNFRSF10B Products)
Background:	DR5, also called TRAIL R2, TRICK 2, TNFRSF10B, and MK is a type 1 TNF R superfamily, membrane protein which is a receptor for TRAIL (APO2 ligand). DR5 is a receptor for the cytotoxic ligand TNFSF10/TRAIL. The adapter molecule FADD recruits caspase-8 to the activated receptor. 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:	15.3 kDa. Due to glycosylation, the protein migrates to 30-40 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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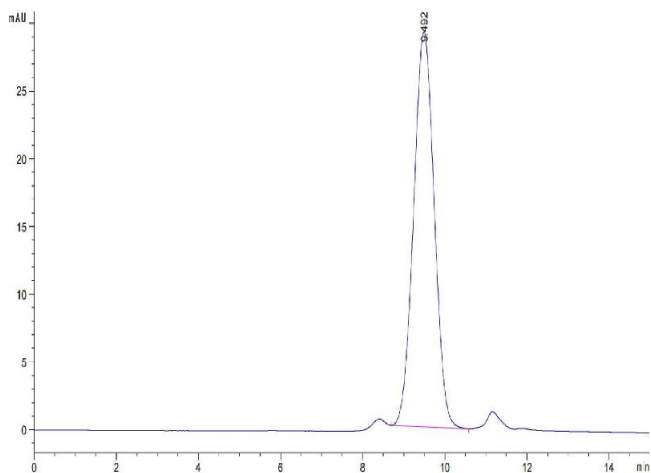
Handling

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



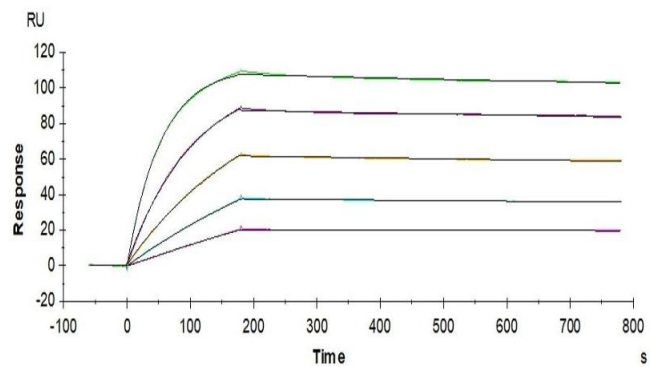
SDS-PAGE

Image 1. Mouse TRAIL R2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

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



Surface Plasmon Resonance

Image 3. Mouse TRAIL R2, His Tag immobilized on CM5 Chip can bind Human TRAIL, No Tag with an affinity constant of 0.43 nM as determined in SPR assay (Biacore T200).