

Datasheet for ABIN7275776

TNFRSF10A Protein (AA 34-239) (Fc Tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	TNFRSF10A
Protein Characteristics:	AA 34-239
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNFRSF10A protein is labelled with Fc Tag.

Product Details

Purpose:	Human TRAIL R1/DR4/TNFRSF10A Protein
Sequence:	Pro34-Asn239
Characteristics:	Recombinant Human TRAIL R1/DR4/TNFRSF10A Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Pro34-Asn239.
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, No Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human TRAIL R1, hFc Tag with the EC50 of 51.6ng/ml determined by ELISA. See testing image for detail.

Target Details

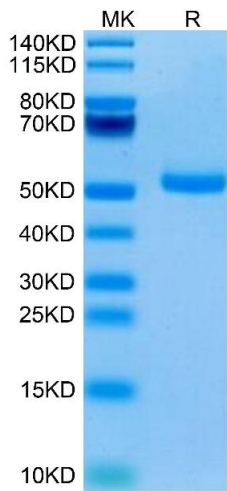
Target:	TNFRSF10A
Alternative Name:	TRAIL R1 (TNFRSF10A Products)
Background:	Tumor necrosis factor (TNF)-related apoptosis-inducing ligand (TRAIL) induces apoptosis selectively via its interaction with the death receptors TRAILR1/DR4 and TRAILR2/DR5 in a wide range of cancers, while sparing normal cells. Despite its tremendous potential for cancer therapeutics, the translation of TRAIL into the clinic has been confounded by TRAIL-resistant cancer populations.
Molecular Weight:	48.8 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Tris-Bis PAGE result.
UniProt:	O00220
Pathways:	Apoptosis , Positive Regulation of Endopeptidase Activity

Application Details

Restrictions:	For Research Use only
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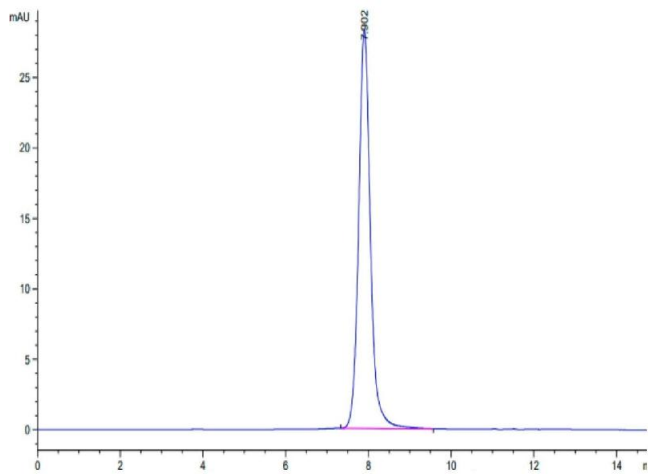
Handling

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

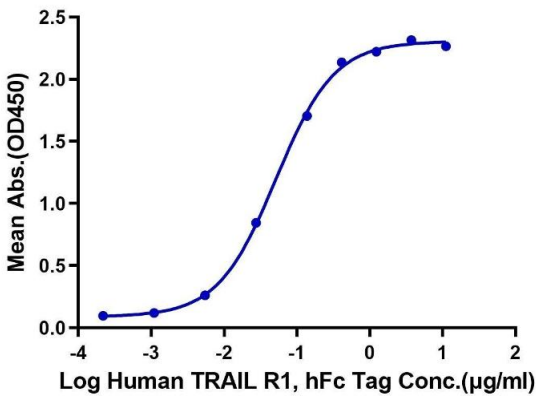
Image 1. Human TRAIL R1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human TRAIL R1 is greater than 95 % as determined by SEC-HPLC.

Human TRAIL R1, hFc Tag ELISA
0.2µg Human TRAIL, No Tag Per Well



ELISA

Image 3. Immobilized Human TRAIL, No Tag at 2 µg/mL(100 µL/well) on the plate. Dose response curve for Human TRAIL R1, hFc Tag with the EC50 of 51.6 ng/mL determined by ELISA.