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Datasheet for ABIN7275777

TNFRSF10A Protein (His-Avi Tag)

3 Images

Overview

Quantity:	100 µg
Target:	TNFRSF10A
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNFRSF10A protein is labelled with His-Avi Tag.

Product Details

Sequence:	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:	The affinity constant of 0.13nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	TNFRSF10A
Alternative Name:	TRAIL R1 (TNFRSF10A Products)
Background:	DR4, CD261, TNFRSF10A, TRAIL-R, APO2, TRAIL R1, MGC9365, Tumor necrosis factor receptor superfamily member 10A (TNFRSF10A) is also known as TNF-related apoptosis-inducing ligand receptor 1 (TRAIL-R1), Death receptor 4 (DR4), CD261 and APO2, which belongs to TNF

Target Details

superfamily. The expression of apoptosis-inducing TRAIL-R1 and TRAIL-R2 and of the decoy receptors TRAIL-R3 and TRAIL-R4 was systematically studied in all developmental stages of peripheral B cells isolated from the blood and secondary lymphoid organs. Expression of TRAIL-Rs is modulated along development, with highest levels observed in germinal center B cells.

Molecular Weight: 24.7 kDa. Due to glycosylation, the protein migrates to 25-30 kDa based on Tris-Bis PAGE result.

UniProt: [O00220](#)

Pathways: [Apoptosis](#), [Positive Regulation of Endopeptidase Activity](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

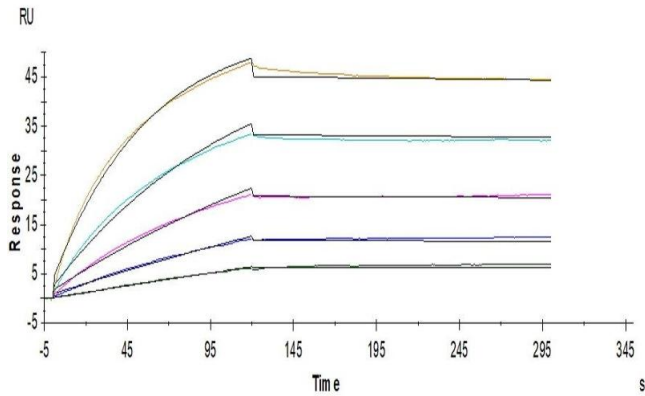
Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

Storage: 4 °C, -80 °C

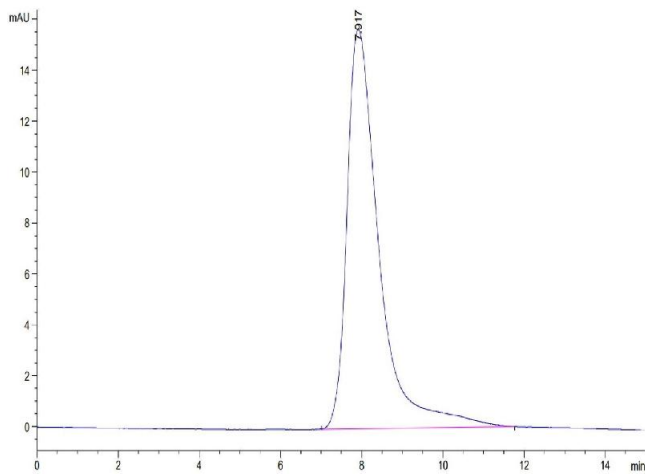
Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Expiry Date: 12 months



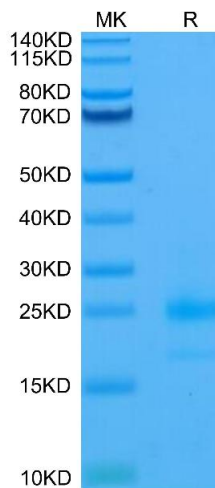
Surface Plasmon Resonance

Image 1. Human TRAIL R1, His Tag captured on CM5 Chip via anti-His antibody can bind Human TRAIL, No Tag with an affinity constant of 0.13nM as determined in SPR assay (Biacore T200).



Size-exclusion chromatography-High Pressure Liquid Chromatography

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



SDS-PAGE

Image 3. Human TRAIL R1 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .