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Datasheet for ABIN7275775

TRAIL Protein (Trimer) (His-DYKDDDDK Tag)

3 Images

Overview

Quantity:	100 µg
Target:	TRAIL (TNFSF10)
Protein Characteristics:	Trimer
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRAIL protein is labelled with His-DYKDDDDK Tag.

Product Details

Sequence:	Gly118-Gly281
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 TRAIL Trimer, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human TRAIL R1, hFc Tag with the EC50 of 49.2ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	TRAIL (TNFSF10)
Alternative Name:	TRAIL (TNFSF10 Products)

Target Details

Background: Apo-2L, TRAIL, CD253, TNFSF10, Apo-2 ligand, APO2L, TL2, Tumor necrosis factor (TNF)-related apoptosis-inducing ligand (TRAIL) is a member of the TNF superfamily that can initiate the apoptosis pathway by binding to its associated death receptors DR4 and DR5. The activation of the TRAIL pathway in inducing tumor-selective apoptosis leads to the development of TRAIL-based cancer therapies, which include recombinant forms of TRAIL, TRAIL receptor agonists, and other therapeutic agents.

Molecular Weight: 60 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Tris-Bis PAGE result.

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

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

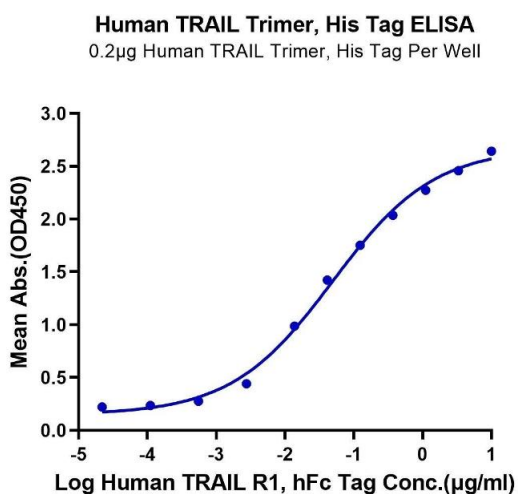
Buffer: Supplied as 0.22 μ m filtered solution in PBS (pH 7.4).

Storage: -80 °C

Storage Comment: Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

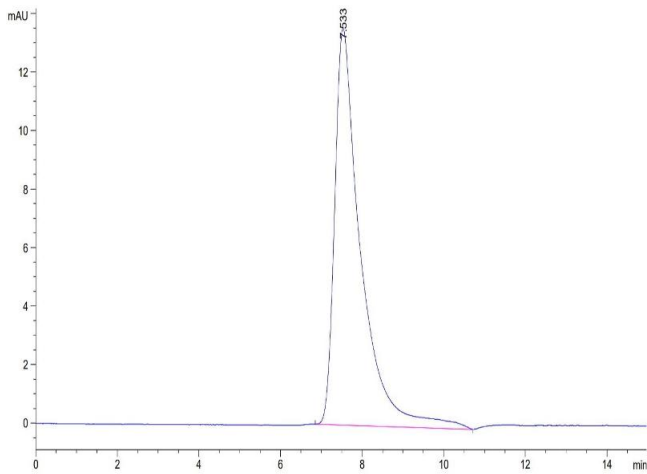
Expiry Date: 12 months

Images



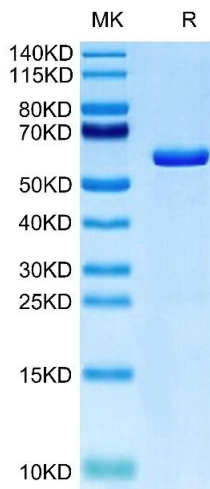
ELISA

Image 1. Immobilized TRAIL Trimer, His Tag at 2 μ g/mL (100 μ L/well) on the plate. Dose response curve for Human TRAIL R1, hFc Tag with the EC₅₀ of 49.2 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

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



SDS-PAGE

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