Datasheet for ABIN7275760

TNFRSF1B Protein (AA 23-257) (His tag)

4 Images

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Overview

Quantity:	100 µg
Target:	TNFRSF1B
Protein Characteristics:	AA 23-257
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNFRSF1B protein is labelled with His tag.

Product Details

Purpose:	Human TNFR2/CD120b/TNFRSF1B Protein
Sequence:	Leu23-Asp257
Characteristics:	Recombinant Human TNFR2/CD120b/TNFRSF1B Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Leu23-Asp257.
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 TNFR2, His Tag at 0.5µg/ml (100µl/Well). Dose response curve for Biotinylated Human TNF alpha, His Tag with the EC50 of 16.6ng/ml determined by ELISA. See testing image for detail.

Target Details

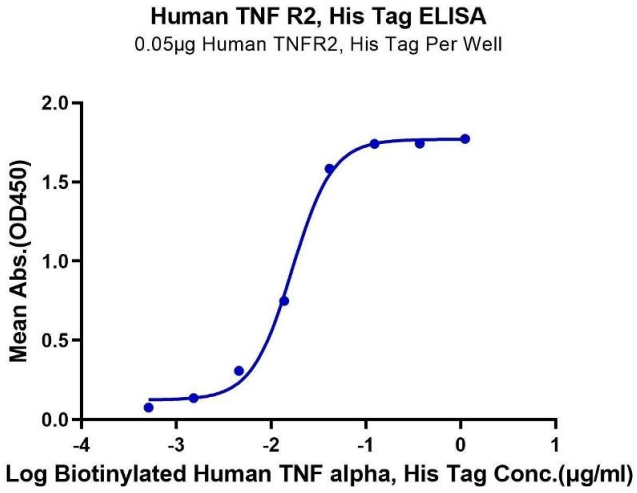
Target:	TNFRSF1B
Alternative Name:	TNFR2 (TNFRSF1B Products)
Background:	Tumor Necrosis Factor Receptor II (TNF RII), also known as TNFRSF1B, p75/p80, and CD120b, is a type I transmembrane protein that belongs to the TNF receptor superfamily. It has a molecular weight of approximately 75 kDa.Receptor with high affinity for TNFSF2/TNF-alpha and approximately 5-fold lower affinity for homotrimeric TNFSF1/lymphotoxin-alpha. The TRAF1/TRAF2 complex recruits the apoptotic suppressors BIRC2 and BIRC3 to TNFRSF1B/TNFR2. This receptor mediates most of the metabolic effects of TNF-alpha. Isoform 2 blocks TNF-alpha-induced apoptosis, which suggests that it regulates TNF-alpha function by antagonizing its biological activity.
Molecular Weight:	26.2 kDa. Due to glycosylation, the protein migrates to 48-60 kDa based on Tris-Bis PAGE result.
Pathways:	NF-kappaB Signaling, Apoptosis, Cellular Response to Molecule of Bacterial Origin, Hepatitis C, Ubiquitin Proteasome Pathway

Application Details

Restrictions:	For Research Use only

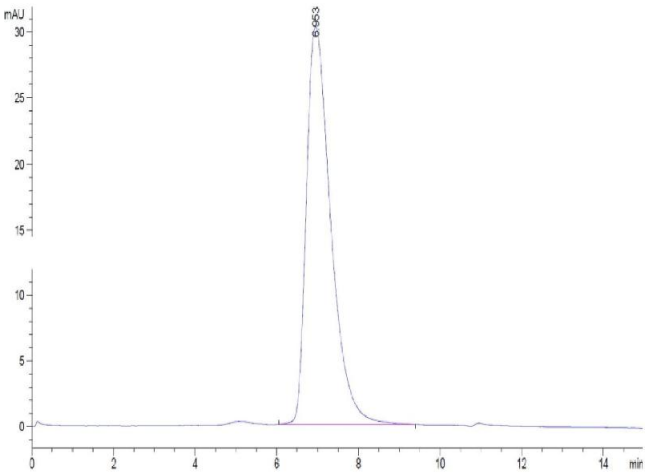
Handling

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



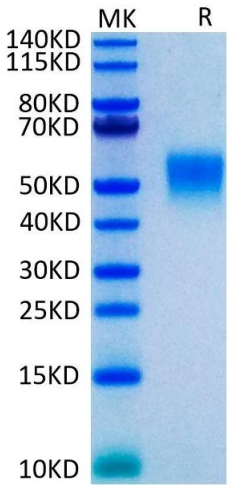
ELISA

Image 1. Immobilized Human TNFR2, His Tag at 0.5 μg/mL (100 μL/Well). Dose response curve for Biotinylated Human TNF alpha, His Tag with the EC50 of 16.6 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human TNFR2 is greater than 90 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Human TNFR2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Please check the product details page for more images. Overall 4 images are available for ABIN7275760.