



Datasheet for ABIN7275764
TNFRSF1A Protein (AA 30-211) (Fc Tag)



[Go to Product page](#)

3 Images

Overview

Quantity:	100 µg
Target:	TNFRSF1A
Protein Characteristics:	AA 30-211
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNFRSF1A protein is labelled with Fc Tag.

Product Details

Purpose:	Human TNFR1/CD120a/TNFRSF1A Protein
Sequence:	Leu30-Thr211
Characteristics:	Recombinant Human TNFR1/CD120a/TNFRSF1A Protein is expressed from HEK293 with hFc tag at the C-Terminus.It contains Leu30-Thr211.
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 TNF alpha, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Human TNFR1, hFc Tag with the EC50 of 22.1ng/ml determined by ELISA. See testing image for detail.

Target Details

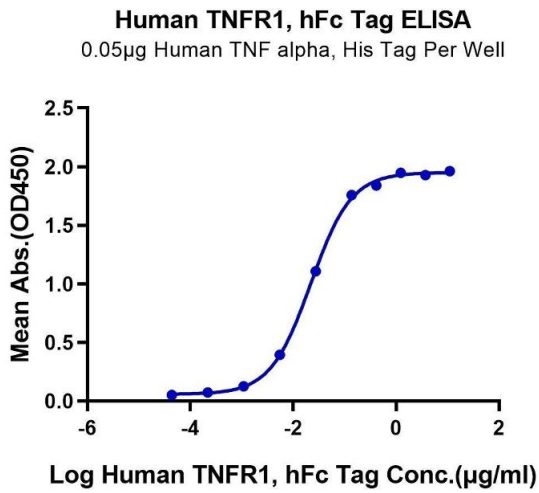
Target:	TNFRSF1A
Alternative Name:	TNFR1 (TNFRSF1A Products)
Background:	Tumour necrosis factor alpha (TNF- α) is a pleiotropic cytokine with both injurious and protective functions, which are thought to diverge at the level of its two cell surface receptors, TNFR1 and TNFR2. In the setting of acute injury, selective inhibition of TNFR1 is predicted to attenuate the cell death and inflammation associated with TNF- α , while sparing or potentiating the protective effects of TNFR2 signalling.
Molecular Weight:	48 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.
Pathways:	NF-kappaB Signaling , Apoptosis , Caspase Cascade in Apoptosis , Hepatitis C , Ubiquitin Proteasome Pathway

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

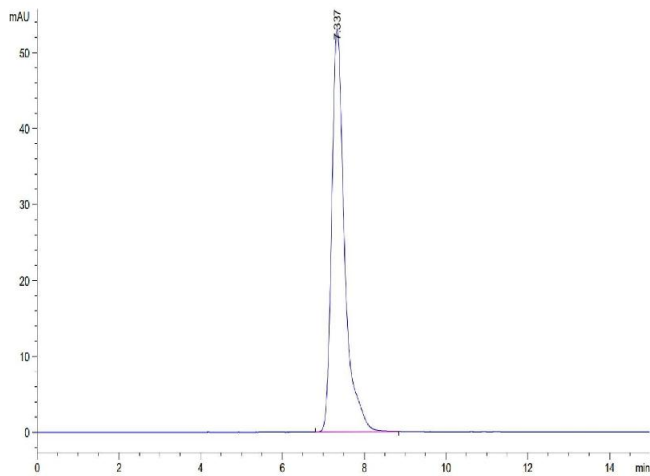
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 μ m filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 $^{\circ}$ C,-80 $^{\circ}$ C
Storage Comment:	-20 to -80 $^{\circ}$ C for 12 months as supplied from date of receipt., -80 $^{\circ}$ C for 3-6 months after reconstitution., 2-8 $^{\circ}$ 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



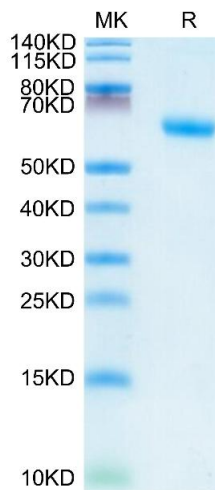
ELISA

Image 1. Immobilized Human TNF alpha, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Human TNFR1, hFc Tag with the EC50 of 22.1 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human TNFR1 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Human TNFR1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .