

Datasheet for ABIN7275755

TNFRSF1A Protein (AA 30-211) (His tag)**3** Images[Go to Product page](#)

Overview

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

Product Details

Purpose:	Cynomolgus TNFR1/CD120a/TNFRSF1A Protein
Sequence:	Leu30-Thr211
Characteristics:	Recombinant Cynomolgus TNFR1/CD120a/TNFRSF1A Protein is expressed from HEK293 with His 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:	The affinity constant of 0.23 nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

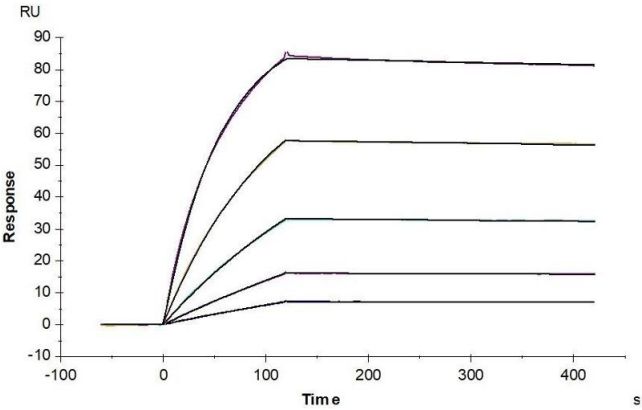
Target:	TNFRSF1A
Alternative Name:	TNFR1 (TNFRSF1A Products)
Background:	Tumour necrosis factor alpha (TNF-α) is a pleiotropic cytokine with both injurious and protective functions, which are thought to diverge at the level of its two cell surface receptors, TNFR1 and TNFR2. In the setting of acute injury, 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:	21.62 kDa. Due to glycosylation, the protein migrates to 32-42 kDa based on Tris-Bis PAGE result.
UniProt:	A0A7N9CVF2
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 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

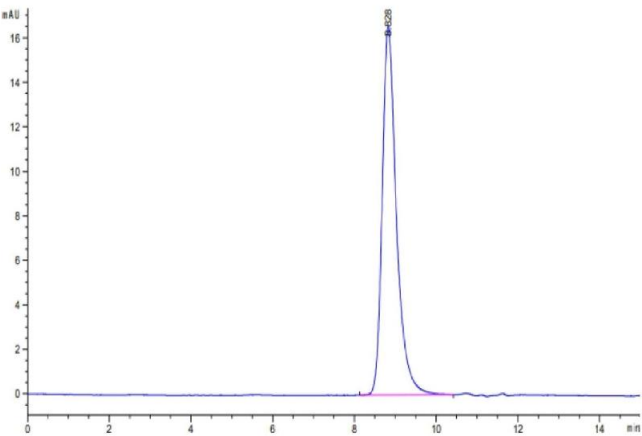
Surface Plasmon Resonance

Image 1. Cynomolgus TNFR1, His Tag immobilized on CM5 Chip can bind Cynomolgus TNF alpha, His Tag with an affinity constant of 0.23 nM as determined in SPR assay (Biacore T200).



Size-exclusion chromatography-High Pressure Liquid Chromatography

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



SDS-PAGE

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

