

Datasheet for ABIN2181837
TNFRSF1A Protein (AA 22-211) (His tag)



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2 Images

Overview

Quantity:	100 µg
Target:	TNFRSF1A
Protein Characteristics:	AA 22-211
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TNFRSF1A protein is labelled with His tag.

Product Details

Sequence:	AA 22-211
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 22 kDa. The protein migrates as 30-35 kDa under reducing (R) condition (SDS-PAGE) due to different glycosylation.
Purity:	>90 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	TNFRSF1A
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Target Details

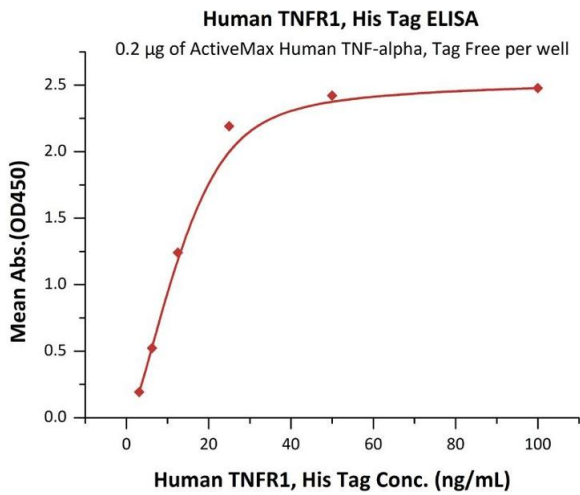
Alternative Name:	TNFR1 (TNFRSF1A Products)
Background:	<p>Tumor necrosis factor receptor 1 (TNF-R1) is also known as Tumor necrosis factor receptor superfamily member 1A (TNFRSF1A), TNFAR, CD antigen CD120a, which belongs to the tumor necrosis factor receptor superfamily. TNF-R1 contains one death domain and four TNFR-Cys repeats. TNF-R1 is the receptor of TNFSF2 / TNF-alpha and homotrimeric TNFSF1 / lymphotoxin - alpha. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. TNF-R1 contributes to the induction of non - cytotoxic TNF effects including anti-viral state and activation of the acid sphingomyelinase. Defects in TNFRSF1A are the cause of familial hibernian fever (FHF).</p>
Molecular Weight:	22.3 kDa
NCBI Accession:	NP_001056
Pathways:	NF-kappaB Signaling , Apoptosis , Caspase Cascade in Apoptosis , Hepatitis C , Ubiquitin Proteasome Pathway

Application Details

Restrictions:	For Research Use only
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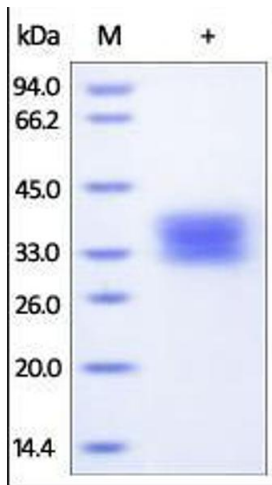
Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C), After reconstitution under sterile conditions for 3 months (-70 °C).



ELISA

Image 1. Immobilized Human , Tag Free, low endotoxin (Hied) (ABIN2181831,ABIN2181832,ABIN6253648) at 2 µg/mL (100 µL/well) can bind Human TNFR1, His Tag (ABIN2181838,ABIN2181837) with a linear range of 3-25 ng/mL (QC tested).



SDS-PAGE

Image 2. Human TNFR1, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.