Datasheet for ABIN7198475

TNFRSF1A Protein (His tag)

1 Image

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Overview

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

Product Details

Purpose:	Recombinant Rat TNFR1/TNFRSF1A Protein (His Tag)(Active)
Sequence:	Met1-Ala211
Characteristics:	A DNA sequence encoding the rat TNFRSF1A (Met1-Ala211) was expressed with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method
Biological Activity Comment:	Measured by its ability to inhibit TNFα-mediated cytotoxicity in L-929 mouse fibroblast cells in the presence of metabolic inhibitor actinomycin D.The ED50 for this effect is typically 0.4-2 µg/mL.

Target Details

Target:	TNFRSF1A

Target Details

Alternative Name:	TNFR1/TNFRSF1A (TNFRSF1A Products)
Background:	Background: The cluster of differentiation (CD) system is commonly used as cell markers in immunophynotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD120a (cluste of differentiation 120a), also known as TNFR1 / TNFRSF1A, is a member of CD family, tumor necrosis factor receptor superfamily. CD120a is one of the most primary receptors for the tumor necrosis factor-alpha. It has been shown to be localized to both plasma membrane lipid rafts and the trans golgi complex with the help of the death domain (DD). CD120a can activate the transcription factor NF-κB, mediate apoptosis, and regulate inflammation processes. Synonym: TNFRSF1A;Tnfr-1;Tnfr1
Molecular Weight:	22.3 kDa
NCBI Accession:	NP_037223
Pathways:	NF-kappaB Signaling, Apoptosis, Caspase Cascade in Apoptosis, Hepatitis C, Ubiquitin Proteasome Pathway

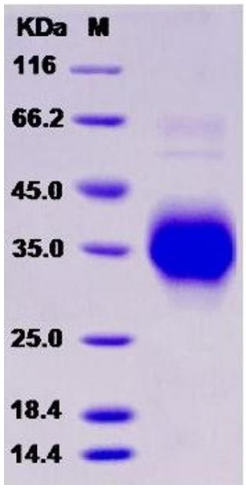
Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Images



Western Blotting

Image 1.