Datasheet for ABIN7320395

TNFRSF1B Protein (His tag)

1 Image

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Overview

Quantity:	100 µg
Target:	TNFRSF1B
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TNFRSF1B protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse TNFRSF1B/CD120b Protein (His Tag) (Active)
Sequence:	Met 1-Gly 258
Characteristics:	A DNA sequence encoding the extracellular domain of mouse TNFRSF1B (NP_035740.2) (Met 1-Gly 258) was fused with a polyhistidine tag at the C-terminus.
Purity:	> 97 % 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 the metabolic inhibitor actinomycin D.The ED50 for this effect is typically 1-3 µg/mL in the presence of 0.1 ng/mL of recombinant mouse TNFα.

Target Details

Target:	TNFRSF1B

Target Details

Alternative Name:	TNFRSF1B/CD120b (TNFRSF1B Products)
Background:	Background: Tumor necrosis factor receptor superfamily, member 1B (TNFRSF1B), also known as Tumor necrosis factor receptor 2 (TNFR2) or CD120b antigen, is a member of the tumor necrosis factor receptor superfamily. TNFR2/CD120b/TNFRSF1B is a member of the TNF-receptor superfamily. This protein and TNF-receptor 1 form a heterocomplex that mediates the recruitment of two anti-apoptotic proteins, c-IAP1 and c-IAP2, which possess E3 ubiquitin ligase activity. Knockout studies in mice also suggest a role of this protein in protecting neurons from apoptosis by stimulating antioxidative pathways. TNFR2/CD120b/TNFRSF1B is not a major contributing factor to the genetic risk of type 2 diabetes, its associated peripheral neuropathy and hypertension and related metabolic traits in North Indians. Tumor necrosis factor receptor superfamily, member 1B (TNFRSF1B) has been reported to be associated with SLE risk in Japanese populations. TNFR2/CD120b/TNFRSF1B serves as a receptor with high affinity for TNFSF2 and approximately 5-fold lower affinity for homotrimeric TNFSF1. 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.Immune Checkpoint Immunotherapy Cancer Immunotherapy Targeted Therapy Synonym: CD120b;p75;TNF-alphaR2;TNF-R-II;TNF-R2;TNF-R75;TNFalpha-R2;TNFBR;Tnfr-1;Tnfr2;TNFR80;TNFRII;Tumor necrosis factor receptor superfamily member 1b;Tnfrsf1b
Molecular Weight:	26.8 kDa
NCBI Accession:	NP_035740
Pathways:	NF-kappaB Signaling, Apoptosis, Cellular Response to Molecule of Bacterial Origin, Hepatitis C, Ubiquitin Proteasome Pathway

Application Details

Restrictions:	For Research Use only

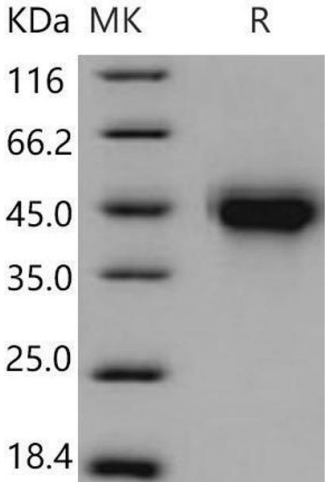
Handling

Format:	Lyophilized
Reconstitution:	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.

Handling

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.