Datasheet for ABIN1691602

TNFRSF10B Protein (AA 56-182) (Fc Tag,His tag)

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Overview

Quantity:	50 µg
Target:	TNFRSF10B
Protein Characteristics:	AA 56-182
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNFRSF10B protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Recombinant Human TRAIL R2/TNFRSF10B/DR5/CD262 (C-Fc-6His)
Sequence:	ITQQDLAPQQ RAAPQQKRSS PSEGLCPPGH HISEDGRDCI SCKYGQDYST HWNDLLFCLR CTRCDSGEVE LSPCTTTRNT VCQCEEGTFR EEDSPEMCRK CRTGCPRGMV KVGDCTPWSD IECVHKEVDD IEGRMDEPKS CDKTHTCPPC PAPELLGGPS VFLFPPKPKD TLMISRTPEV TCVVVDVSHE DPEVKFNWYV DGVEVHNAKT KPREEQYNST YRVVSVLTVL HQDWLNGKEY KCKVSNKALP APIEKTISKA KGQPREPQVY TLPPSREEMT KNQVSLTCLV KGFYPSDIAV EWESNGQPEN NYKTTPPVLD SDGSFFLYSK LTVDKSRWQQ GNVFSCSVMH EALHNHYTQK SLSLSPGKHH HHHH
Characteristics:	Recombinant Human TNF-Related Apoptosis-Inducing Ligand Receptor 2/TRAIL-R2 is produced by our mammalian expression system. The target protein is expressed with sequence (Ile56-Glu182) of Human TNFRSF10B fused with a FC-6xHis tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	TNFRSF10B
Alternative Name:	TNFRSF10B (TNFRSF10B Products)
Sub Type:	Fusionprotein
Background:	TNFRSF10B is a member of the TNF-receptor superfamily, and contains an intracellular death domain. This receptor can be activated by tumor necrosis factor-related apoptosis inducing ligand (TNFSF10/TRAIL/APO-2L), and transduces apoptosis signal. The adapter molecule FADD recruits caspase-8 to the activated receptor and is required for the apoptosis mediated by TNFRSF10B. TNFRSF10B is expressed in a number of cell types, and to particularly high levels in lymphocytes and spleen. This single-pass transmembrane protein contains two cysteine-rich repeat units in its extracellular region, followed by a transmembrane segment and a cytoplasmic tail containing a typical “death domain”. TNFRSF10B expression is regulated by the tumor suppressor p53. It is also indicated that the activation of NF-kappa-B can be promoted by TNFRSF10B. Alternative Names: Tumor Necrosis Factor Receptor Superfamily Member 10B, Death Receptor 5, TNF-Related Apoptosis-Inducing Ligand Receptor 2, TRAIL Receptor 2, TRAIL-R2, CD262, TNFRSF10B, DR5, KILLER, TRAILR2, TRICK2, ZTNFR9
Molecular Weight:	42.2 kDa
UniProt:	O14763
Pathways:	p53 Signaling, Apoptosis, Positive Regulation of Endopeptidase Activity

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Handling

Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	5 months