

Datasheet for ABIN1097685
TNFRSF10B Protein (AA 56-182) (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 His tag.

Product Details

Purpose:	Recombinant Human TRAIL R2/TNFRSF10B/DR5/CD262 (C-6His)
Sequence:	ITQQDLAPQQ RAAPQQKRSS PSEGLCPPGH HISEDGRDCI SCKYGQDYST HWNDLLFCLR CTRCDSGEVE LSPCTTTRNT VCQCEEGTFR EEDSPEMCRK CRTGCPRGMV KVGDCPTWSD IECVHKEVDH HHHHH
Characteristics:	Recombinant Human TNF-Related Apoptosis-Inducing Ligand Receptor 2/TRAIL-R2 is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Ile56-Glu182) of Human TRAILR2 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
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:	trail-r2 (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:	15.19 kDa
UniProt:	O14763
Pathways:	p53 Signaling , Apoptosis , Positive Regulation of Endopeptidase Activity

Application Details

Restrictions:	For Research Use only
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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.
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

Handling

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: 3 months