

Datasheet for ABIN7319096
TNFRSF10B Protein (His tag)



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Overview

Quantity:	50 µg
Target:	TNFRSF10B
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TNFRSF10B protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human TRAIL R2/TNFRSF10B Protein (His Tag)(Active)
Sequence:	Ile56-Glu182
Characteristics:	Recombinant Human TNF-Related Apoptosis-Inducing Ligand Receptor 2 is produced by our Mammalian expression system and the target gene encoding Ile56-Glu182 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to inhibit TRAIL-mediated cytotoxicity using L-929 mouse fibroblast cells treated with TRAIL. The ED50 for this effect is 9.96ng/ml.

Target Details

Target:	TNFRSF10B
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Target Details

Alternative Name:	TRAIL R2/TNFRSF10B (TNFRSF10B Products)
Background:	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. Synonym: 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:	15.2 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:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 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.