

Datasheet for ABIN2469105

TNFRSF10B Protein (Soluble)

[Go to Product page](#)

Overview

Quantity:	0.01 mg
Target:	TNFRSF10B
Protein Characteristics:	Soluble
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	MESALITQQD LAPQQRVAPQ QKRSSPSEGL CPPGHHISED GRDCISCKYG QDYSTHWNDL LFCLRCTRCD SGEVELSPCT TTRNTVCQCE EGTFREEDSP EMCRKCRGTC PRGMVKVGDC TPWSDIECVH KES
Characteristics:	Biological activity was determined by its inhibitory effect of IL - 8 production in human PBMC by human sTRAIL/Apo2L. 50 % inhibition (100 ng/mL of sTRAIL/Apo2L) was reached using a concentration of 1000 ng/mL of sTRAIL Receptor - 2.
Purity:	< 98 % by SDS-PAGE gel and HPLC analyses.
Endotoxin Level:	Endotoxin level is less than 0.1 ng per µg (1 EU/µg).

Target Details

Target:	TNFRSF10B
Alternative Name:	TRAIL Receptor-2 (TNFRSF10B Products)

Target Details

Background:	TRAIL Receptor-1/DR4 and TRAIL Receptor-2/DR5 belong to the TNFR superfamily of transmembrane proteins and contain a cytoplasmic "death domain", which can activate the cell's apoptotic machinery. These receptors are activated by binding to either membrane anchored or soluble TRAIL/Apo2L. Recombinant human soluble TRAIL Receptor-2/DR5 is a 14.9 kDa protein (133 amino acid residues) consisting of the TNFR homologous, cysteine rich portion of the extracellular domain.
Gene ID:	8795
NCBI Accession:	NP_003833
OMIM:	224494019
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
Handling Advice:	As with any protein, exposing Soluble TRAIL Receptor-2 recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.
Storage:	-20 °C
Storage Comment:	The recombinant protein is stable for at least 2 years from date of receipt at -20 °C. Reconstituted Soluble TRAIL Receptor-2 is stable for at least 3 months when stored in working aliquots with a carrier protein at -20 °C.
Expiry Date:	24 months