Datasheet for ABIN7319100

TRAIL Protein (AA 114-281) (His tag)

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Overview

Quantity:	50 µg
Target:	TRAIL (TNFSF10)
Protein Characteristics:	AA 114-281
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TRAIL protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human TRAIL/TNFSF10 Protein (aa 114-281, His Tag)(Active)
Sequence:	Val114-Gly281
Characteristics:	Recombinant Human TNF-related Apoptosis-inducing Ligand is produced by our E.coli expression system and the target gene encoding Val114-Gly281 is expressed with a 6His tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured in a cytotoxicity assay using L-929 mouse fibroblast cells in the presence of the metabolic inhibitor actinomycin D. The ED50 for this effect is 5-50 ng/ml.

Target Details

Target:	TRAIL (TNFSF10)
Alternative Name:	TRAIL/TNFSF10 (TNFSF10 Products)
Background:	Background: Human TNFSF10 is a type II transmembrane protein with an intracellular N-terminus and a 'TNF homology domain' (THD) at the extracellular C terminus. TNFSF10 can interact with several distinct receptors. Two of these receptors that belongs to TNFR superfamily, DR4 (TRAIL-R1) and DR5 (TRAIL-R2/TRICK2), are plasma membrane proteins containing intracellular death domains essential for activating apoptosis. TNFSF10 is promising for cancer therapy because it is cytotoxic and activates apoptosis in the majority of malignant cells, but not in normal cells. Synonym: Tumor Necrosis Factor Ligand Superfamily Member 10, Apo-2 Ligand, Apo-2L, TNF-Related Apoptosis-Inducing Ligand, Protein TRAIL, CD253, TNFSF10, APO2L, TRAIL
Molecular Weight:	20.6 kDa
UniProt:	Q6IBA9
Pathways:	Apoptosis, Positive Regulation of Endopeptidase Activity

Application Details

Restrictions:	For Research Use only

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.