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## TRAIL Protein (AA 95-281, Extracellular Domain, Soluble) (DYKDDDDK Tag)



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Target:

Alternative Name:

Quantity:	10 μg
Target:	TRAIL (TNFSF10)
Protein Characteristics:	Soluble, Extracellular Domain, AA 95-281
Origin:	Human, Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TRAIL protein is labelled with DYKDDDDK Tag.
Application:	SDS-PAGE (SDS)
Product Details	
Cross-Reactivity:	Human, Mouse (Murine)
Characteristics:	The extracellular domain of human TRAIL (aa 95-281) is fused at the N-terminus to a FLAG®-tag.
Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<0.01EU/μg purified protein (LAL test, Lonza).
Target Details	
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TRAIL (TNFSF10)

TRAIL (TNFSF10 Products)

## **Target Details**

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Background:	TNF-related apoptosis-inducing ligand (TRAIL, Apo2L,CD253, TNFSF10) is a type II				
	transmembrane protein of about 34 kDa. Like most members of the tumor necrosis factor				
	(TNF) superfamily of cytokines TRAIL can be cleaved at the cell surface by metalloproteases to				
	form a soluble molecule. Active TRAIL forms trimers and specifically binds to fi ve distinct				
	receptors: TRAIL-R1 (DR4, Apo2,CD261, TNFRSF10A), TRAIL-R2 (DR5, KILLER,				
	TRICK2A,TRICK2B, CD262, TNFRSF10B), TRAIL-R3 (DcR1,LIT, TRID, CD263, TNFRSF10C),				
	TRAIL-R4 (DcR2,TRUNDD, CD264, TNFRSF10D), and osteoprotegerin (OPG, OCIF, TNFRSF11B).				
	Trimerized TRAIL triggers apoptosis upon ligation of cell surface TRAIL-R1 and/or TRAIL-R2 by				
	inducing the formation of the so-called multiprotein death-inducing signaling complex (DISC).				
Molecular Weight:	~23kDa (SDS-PAGE)				
UniProt:	P50591				
Pathways:	Apoptosis, Positive Regulation of Endopeptidase Activity				
Application Details					
Application Notes:	Optimal working dilution should be determined by the investigator.				
Comment:	Induces apoptosis of human Jurkat T cells in a concentration range of 5-50ng/ml in the				
	presence of 1µg/ml TNF Ligands Enhancer (Prod. No. AG-35B-0001). In the absence of TNF				
	Ligands Enhancer, TRAIL, Soluble (human) (recombinant) is poorly active.				
Restrictions:	For Research Use only				
Handling					
Format:	Lyophilized				
Reconstitution:	Reconstitute with 100 µL sterile water.				
Concentration:	Lot specific				
Buffer:	Lyophilized. Contains PBS.				
Storage:	4 °C,-20 °C				
Storage Comment:	Short Term Storage: +4°C				
	Long Term Storage: -20°C				
	Stable for at least 6 months after receipt when stored at -20°C.				
Expiry Date:	6 months				