

Datasheet for ABIN2181868

TNFRSF10B Protein (AA 56-182) (Fc Tag)**2** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	TNFRSF10B
Protein Characteristics:	AA 56-182
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TNFRSF10B protein is labelled with Fc Tag.

Product Details

Sequence:	AA 56-182
Characteristics:	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 40.5 kDa. The protein migrates as 46 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	TNFRSF10B
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Target Details

Alternative Name:	TRAIL R2 (TNFRSF10B Products)
Background:	<p>Tumor necrosis factor receptor superfamily member 10B (TNFRSF10B) is also known as TNF-related apoptosis-inducing ligand receptor 2 (TRAILR2), Death receptor 5 (DR5), CD262, KILLER, is a member of the TNF-receptor superfamily, and contains an intracellular death domain. TNFRSF10B / DR-5 is widely expressed in adult and fetal tissues, very highly expressed in tumor cell lines. TRAILR2 / CD262 / DR5 is the receptor for the cytotoxic ligand TNFSF10/TRAIL. The adapter molecule FADD (a death domain containing adaptor protein) of TRAIL-R2 / TNFRSF10B recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. CD262 / DR5 Promotes the activation of NF-kappa-B. DR5 is essential for ER stress-induced apoptosis and is regulated by p53/TP53.</p>
Molecular Weight:	40.4 kDa
NCBI Accession:	NP_003833
Pathways:	p53 Signaling , Apoptosis , Positive Regulation of Endopeptidase Activity

Application Details

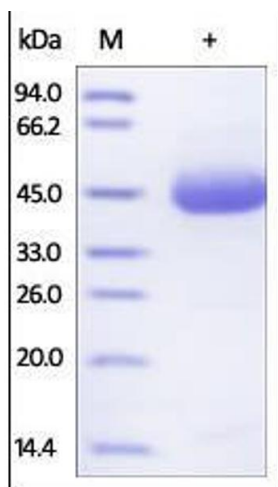
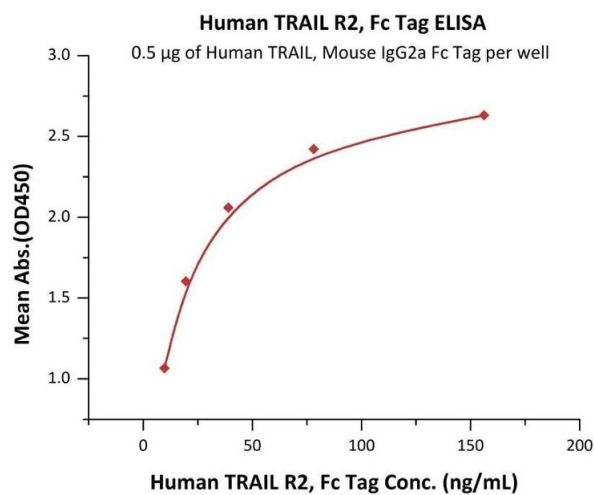
Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	50 mM Tris, 100 mM NaCl, pH 7.5
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C-8 °C), After reconstitution under sterile conditions for 1 month (4 °C-8 °C) or 3 months (-20 °C to -70 °C).

Publications

Product cited in:	de Guzman, Rabbany: "PEG-Immobilized Keratin for Protein Drug Sequestration and pH-Mediated Delivery." in: Journal of drug delivery , Vol. 2016, pp. 7843951, (2016) (PubMed).
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ELISA

Image 1. Immobilized Human TRAIL, Mouse IgG2a Fc Tag (ABIN6933657,ABIN6938881) at 5 µg/mL (100 µL/well) can bind Human TRAIL R2, Fc Tag (ABIN2181869,ABIN2181868) with a linear range of 0.6-20 ng/mL (QC tested).

SDS-PAGE

Image 2. Human TRAIL R2, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.