

Datasheet for ABIN2181862

**TNFRSF10A Protein (AA 24-239) (His tag)**[Go to Product page](#)**2** Images

## Overview

Quantity:	100 µg
Target:	TNFRSF10A
Protein Characteristics:	AA 24-239
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNFRSF10A protein is labelled with His tag.

## Product Details

Sequence:	AA 24-239
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 24 kDa. The protein migrates as 22-24 kDa under reducing (R) condition (SDS-PAGE).
Purity:	>90 % 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:	TNFRSF10A
Alternative Name:	TRAIL R1 ( <a href="#">TNFRSF10A Products</a> )
Background:	Tumor necrosis factor receptor superfamily member 10A (TNFRSF10A) is also known as TNF-

## Target Details

related apoptosis-inducing ligand receptor 1 (TRAIL-R1), Death receptor 4 (DR4), CD261 and APO2, which belongs to TNF superfamily. TRAILR1 / TNFRSF10A contains 1 death domain and 3 TNFR-Cys repeats. TNFRSF10A / DR4 is widely expressed and high levels are found in spleen, peripheral blood leukocytes, small intestine and thymus, but also in K-562 erythroleukemia cells, MCF-7 breast carcinoma cells and activated T-cells. APO2 / TNFRSF10A is receptor for the cytotoxic ligand TNFSF10 / TRAIL. The adapter molecule FADD 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. TRAILR-1 / DR4 / CD261 promotes the activation of NF-kappa-B.

Molecular Weight: 24.8 kDa

NCBI Accession: [NP\\_003835](#)

Pathways: [Apoptosis](#), [Positive Regulation of Endopeptidase Activity](#)

## Application Details

Restrictions: For Research Use only

## Handling

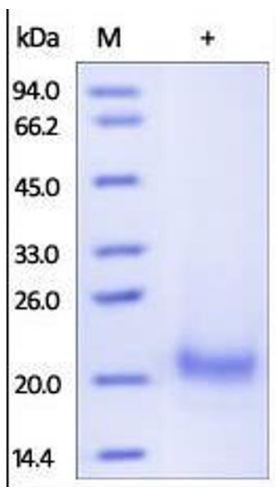
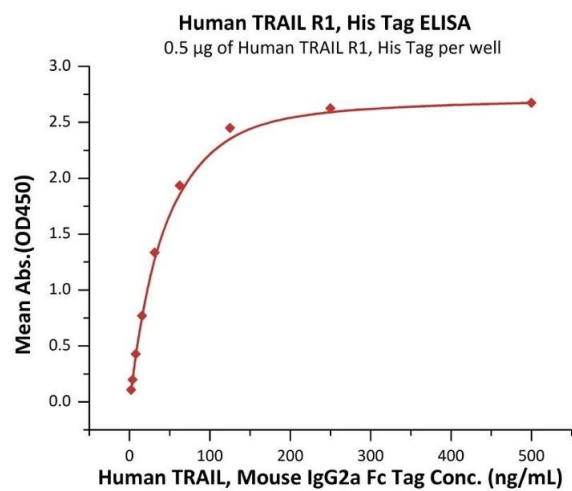
Format: Lyophilized

Buffer: PBS, pH 7.4

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).



**ELISA**

**Image 1.** Immobilized Human TRAIL R1, His Tag (ABIN2181863,ABIN2181862) at 5 µg/mL (100 µL/well) can bind Human TRAIL, Mouse IgG2a Fc Tag (ABIN6933657,ABIN6938881) with a linear range of 2-63 ng/mL (QC tested).

**SDS-PAGE**

**Image 2.** Human TRAIL R1, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 92%.