

# Recombinant human TRAILR1/TNFRSF10A protein

Catalog Number: ATGP3695

## PRODUCT INFORMATION

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**Expression system**

Baculovirus

**Domain**

24-239aa

**UniProt No.**

O00220

**NCBI Accession No.**

NP\_003835.3

**Alternative Names**

Tumor necrosis factor receptor superfamily member 10A, TRAILR-1, TRAILR1, TRAIL receptor 1, TNFRSF10A, TNF-related apoptosis-inducing ligand receptor 1, DR4, Death receptor 4, CD261, APO2

## PRODUCT SPECIFICATION

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**Molecular Weight**

23.9 kDa (224aa)

**Concentration**

0.5mg/ml (determined by absorbance at 280nm)

**Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

**Purity**

&gt; 90% by SDS-PAGE

**Endotoxin level**

&lt; 1 EU per 1ug of protein (determined by LAL method)

**Tag**

His-Tag

**Application**

SDS-PAGE

**Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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**Description**

TNFRSF10A, also known as tumor necrosis factor receptor superfamily member 10A, is a cell surface receptor of the TNF-receptor superfamily that binds TRAIL. This receptor is activated by tumor necrosis factor-related apoptosis inducing ligand (TNFSF10/TRAIL), and thus transduces cell death signal and induces cell apoptosis.

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Studies with FADD-deficient mice suggested that FADD, a death domain containing adaptor protein, is required for the apoptosis mediated by this protein. Recombinant human TNFRSF10A, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

## Amino acid Sequence

ASGTEAAAAT PSKVWGSSAG RIEPRGGGRG ALPTSMGQHG PSARARAGRA PGPRPAREAS PRLRVHKTFK FVVVGVLLQV  
VPSSAATIKL HDQSIGTQQW EHSPLGELCP PGSHRSEHPG ACNRCTEGVG YTNASNNLFA CLPCTACKSD EEERSPCTTT  
RNTACQCKPG TFRNDNSAEM CRKCSRGCPR GMVKVKDCTP WSDIECVHKE SGNGHN<LEHH HHHH>

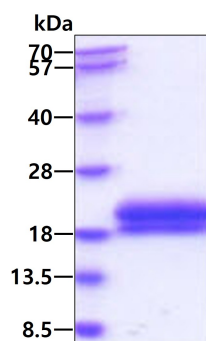
## General References

Pan G., et al, (1997) Science 276:111-113.

Kuang A.A., et al, (2000) J. Biol. Chem. 275:25065-25068.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain