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## Recombinant human TRAILR1/TNFRSF10A protein

Catalog Number: ATGP3695

## **PRODUCT INFORMATION**

## **Expression system**

Baculovirus

#### **Domain**

24-239aa

#### UniProt No.

000220

## **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**

## **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**

> 90% by SDS-PAGE

#### **Endotoxin level**

< 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**

## **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**

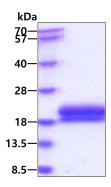
ASGTEAAAAT PSKVWGSSAG RIEPRGGGRG ALPTSMGQHG PSARARAGRA PGPRPAREAS PRLRVHKTFK FVVVGVLLQV VPSSAATIKL HDQSIGTQQW EHSPLGELCP PGSHRSEHPG ACNRCTEGVG YTNASNNLFA CLPCTACKSD EEERSPCTTT RNTACQCKPG TFRNDNSAEM CRKCSRGCPR GMVKVKDCTP WSDIECVHKE SGNGHN<LEHH HHHH>

#### **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

