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# Recombinant human TRAILR4/TNFRSF10D protein

Catalog Number: ATGP3702

### **PRODUCT INFORMATION**

# **Expression system**

Baculovirus

#### **Domain**

56-211aa

#### UniProt No.

O9UBN6

#### **NCBI Accession No.**

NP 003831

# **Alternative Names**

Tumor necrosis factor receptor superfamily member 10D, Decoy receptor 2, DcR2, TNF-related apoptosis-inducing ligand receptor 4, TRAIL receptor 4, TRAIL-R4, TRAIL receptor with a truncated death domain, CD264, TRAILR4, TRUNDD

### **PRODUCT SPECIFICATION**

# **Molecular Weight**

43.8 kDa (395aa)

#### 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)

# **Biological Activity**

Measured by its ability to inhibit cytotoxicity using Jurkat human acute T cell leukemia cells. The ED50 range  $\leq$ 10ng/ml with Human TRAIL.

#### ıag

hlgG-His-Tag

### **Application**

SDS-PAGE, Bioactivity

# **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.



# Recombinant human TRAILR4/TNFRSF10D protein

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# **BACKGROUND**

# **Description**

TNFRSF10D, also known as tumor necrosis factor receptor superfamily member 10D, is a member of the TNF-receptor superfamily. This protein contains an extracellular TRAIL-binding domain, a transmembrane domain, and a truncated cytoplasmic death domain. Also, it is can protect cells bearing TRAIL R1 and/or TRAIL R2 from TRAIL-mediated apoptosis. Recombinant human TNFRSF10D, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

# **Amino acid Sequence**

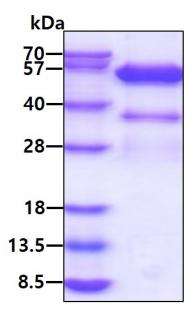
ATIPRQDEVP QQTVAPQQQR RSLKEEECPA GSHRSEYTGA CNPCTEGVDY TIASNNLPSC LLCTVCKSGQ TNKSSCTTTR DTVCQCEKGS FQDKNSPEMC RTCRTGCPRG MVKVSNCTPR SDIKCKNESA ASSTGKTPAA EETVTTILGM LASPYH<VEPK SCDKTHTCPP CPAPELLGGP SVFLFPPKPK DTLMISRTPE VTCVVVDVSH EDPEVKFNWY VDGVEVHNAK TKPREEQYNS TYRVVSVLTV LHQDWLNGKE YKCKVSNKAL PAPIEKTISK AKGQPREPQV YTLPPSRDEL TKNQVSLTCL VKGFYPSDIA VEWESNGOPE NNYKTTPPVL DSDGSFFLYS KLTVDKSRWO OGNVFSCSVM HEALHNHYTO KSLSLSPGKH HHHHH>

#### **General References**

Degli-Esposti MA., et al, (1997) Immunity 7:813-820. Marsters SA., et al, (1997) Curr. Biol. 7:1003-1006.

#### **DATA**

#### **SDS-PAGE**

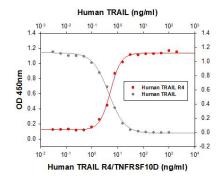


3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

# **Biological Activity**

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