

Recombinant human TRAILR4/TNFRSF10D protein

Catalog Number: ATGP3702

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

56-211aa

UniProt No.

Q9UBN6

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, TRUND

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.

Tag

hIgG-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.

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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 hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

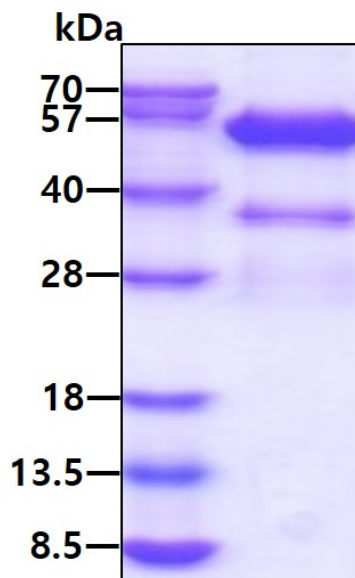
ATIPRQDEVP QQTVAPQQQR RSLKEEECPA GSHRSEYTG A CNPCTEGVDY TIASNNLPSC LLCTVCKSGQ TNKSSCTTTR
DTVCQCEKGS FQDKNSPEMC RTCRTGCPRG MVKVSNCTPR SDIKCKNESA ASSTGKTPAA EETVTTILGM LASPYH<VEPK
SCDKTHTCPP CPAPELLGGP SVFLFPPKPK DTLMISRTPE VTCVVVDVSH EDPEVKFNWY VDGVEVHNAK TKPREEQYNS
TYRVVSVLTV LHQDWLNGKE YKCKVSNKAL PAPIEKTISK AKGQPREPQV YTLPPSRDEL TKNQVSLTCL VKGFYPSDIA
VEWESNGQPE NNYKTTTPVL DSDGSFFLYS KLTVDKSRWQ QGNVFSCSVM HEALHNHYTQ 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

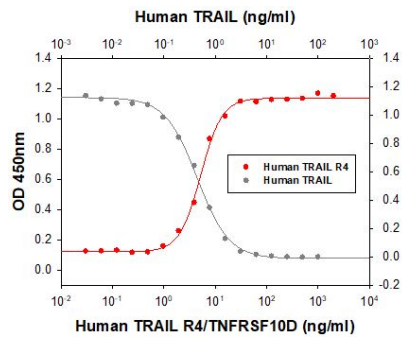


3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

Biological Activity

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