

Recombinant human TRAILR1/TNFRSF10A protein

Catalog Number: ATGP3695

PRODUCT INFORMATION

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

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>

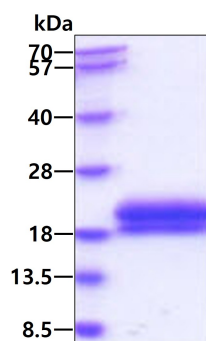
General References

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