

Recombinant human TRAILR2/TNFRSF10B protein

Catalog Number: ATGP3732

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

56-210aa

UniProt No.

O14763

NCBI Accession No.

NP_003833

Alternative Names

Tumor necrosis factor receptor superfamily member 10B isoform 1, TNFRSF10B, CD262, Death receptor 5, DR5, KILLER, KILLER/DR5, TRAIL receptor 2, TRAIL-R2, TRAILR2, TRICK2, TRICK2A, TRICK2B, TRICKB, ZTNFR9

PRODUCT SPECIFICATION

Molecular Weight

43.9 kDa (394aa)

Concentration

1mg/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 5ng/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

TNFRSF10B, also known as tumor necrosis factor receptor superfamily member 10B isoform 1, is a member of receptors for the cytotoxic ligand TNFSF10/TRAIL. It can be activated by tumor necrosis factor-related apoptosis inducing ligand, and transduces an apoptosis signal. This protein promotes the activation of NF-kappa-B. Defects in this protein causes of head and neck squamous cell carcinomas. Recombinant human TNFRSF10B protein, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

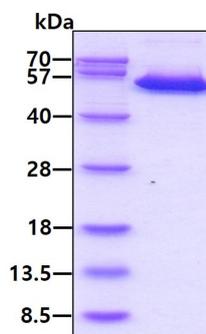
ITQQDLAPQQ RAAPQQKRSS PSEGLCPPGH HISEDGRDCI SCKYGQDYST HWNDLLFCLR CTCRDSGEVE LSPCTTTRNT VCQCEEGTFR EEDSPEMCRK CRTGCPRGMV KVGDCPTWSD IECVHKESGT KHSGEVPAVE ETVTSSPGTP ASPCS<LEPKS CDKTHTCPPC PAPELLGGPS VFLFPPKPKD TLMISRTPEV TCVVVDVSHE DPEVKFNWYV DGVEVHNAKT KPREEQYNST YRVVSVLTVL HQDWLNGKEY KCKVSNKALP APIEKTISKA KGQPREPQVY TLPPSRDEL TKNQVSLTCLV KGFYPSDIAV EWESNGQPEN NYKTTTPVLD SDGSFFLYSK LTVDKSRWQQ GNVFSCSVMH EALHNHYTQK SLSLSPGKHH HHHH>

General References

Finnberg NK., et al, (2016) Cancer Res. 76:700-712.
Shin GC., et al, (2016) Autophagy. 12:2451-2466.

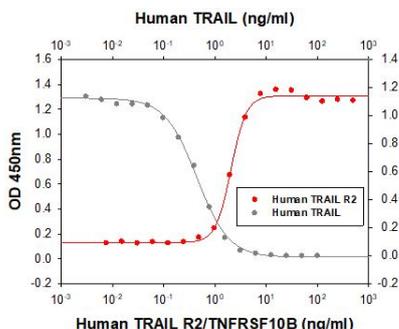
DATA

SDS-PAGE



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

Biological Activity



Measured by its ability to inhibit cytotoxicity using Jurkat human acute T cell leukemia cells. The ED50 range ≤ 5 ng/ml with Human TRAIL.