
Product Data Sheet

Product Name: TNFRSF10D Human
 Cat. No.: GP21005
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Tumor necrosis factor receptor superfamily member 10D; CD264; DCR2; TRAIL-R4; TRAILR4; TRUNDD; Decoy receptor 2; TNF-related apoptosis-inducing ligand receptor 4; TRAIL receptor 4; TRAIL receptor with a truncated death domain.		
Amino Acid Sequence	ATIPRQDEVP QQTVAPQQQR RSLKEEECPA GSHRSEYTGA CNPCTEGVDY TIASNNLPSC LLCTVCKSGQ TNKSSCTTTR DTVCQCEKGS FQDKNSPEMC RTCRTGCPRG MVKVSNCTPR SDIKCKNESA ASSTGKTPAA EETVTTILGM LASPYHVEPK SCDKTHTCPP CPAPELLGGPSVFLFPPKPK DTLMISRTPE VTCVVVDVSH EDPEVKFNWY VDGVEVHNAK TKPREEQYNS TYRVSVLTV LHQDWLNGKE YKCKVSNKAL PAPIEKTISK AKGQPREPQV YTLPPSRDEL TKNQVSLTCL VKGFYPSDIA VEWESNGQPE NNYKTTTPVL DSDGSFFLYS KLTVDKSRWQQGNVFSCSVM HEALHNHYTQ KSLSLSPGKH HHHHH.		
Formulation	TNFRSF10D protein solution (0.5mg/ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.		

Introduction

TRAIL Receptor-4 Human Recombinant or TNFRSF10D, is part of the TNF-receptor superfamily. TNFRSF10D has a truncated cytoplasmic death domain, an extracellular TRAIL-binding domain and a transmembrane domain. The protein can prevent TRAIL-mediated apoptosis on cells with TRAIL R1 and/or TRAIL R2.

Biological Activity

Measured in a neutralizing assay using Jurkat human T lymphocyte. The ED50 for this effect is less or equal to 10 ng/ml in the presence of 2ng/ml TRAIL.

Stability

Caution: Product has not been fully validated for medical applications. For research use only.

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Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

TNFRSF10D produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 395 amino acids (56-211a.a.) and having a molecular mass of 73.8kDa. (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). TNFRSF10D is expressed with a 239 amino acid hIgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

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