
Product Data Sheet

Product Name: TNFRSF10B Human, Sf9

Cat. No.: GP21003

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	TNFRSF10B; CD262; DR5; KILLER; KILLER/DR5; TRAIL-R2; TRAILR2; TRICK2; TRICK2A; TRICK2B; TRICKB; ZTNFR9; Death receptor 5; TNF-related apoptosis-inducing ligand receptor 2.		
Amino Acid Sequence	ITQQDLAPQQ RAAQQKRSS PSEGLCPPGH HISEDGRDCI SCKYGQDYST HWNDLLFCLR CTRCDSGEVE LSPCTTTRNT VCQCEEGTFR EEDSPEMCRK CRTGCPRGMV KVGDCPTWSD IECVHKESGT KHSGEVPAVE ETVTSSPGTP ASPCSLEPKS CDKTHTCPPC PAPELLGGPSVFLFPPKPKD TLMISRTPEV TCVVVDVSHE DPEVKFNWYV DGVEVHNAKT KPREEQYNST YRVVSVLTVL HQDWLNGKEY KCKVSNKALP APIEKTISKA KGQPREPQVY TLPPSRDEL KNQVSLTCLV KGFYPSDIAV EWESNGQPEN NYKTTTPVLD SDGSFFLYSK LTVDKSRWQQGNVFSCSVMH EALHNHYTQK SLSLSPGKHH HHHH.		
Formulation	TNFRSF10B protein solution (1mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

TRAIL Receptor-1 (DR4) and TRAIL Receptor-2(DR5) are members of the TNFR superfamily of transmembrane proteins and contain a cytoplasmic "death domain", which is capable of activating the cell's apoptotic machinery. These receptors are activated by binding to either membrane anchored or soluble TRAIL/Apo2L.

Biological Activity

Measured by its ability to inhibit cytotoxicity assay using Jurkat human T lymphocyte. The ED50 for this effect \leq to 5ng/ml with TRAIL.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store. frozen at -20°C for longer

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

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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

TNFRSF10B produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 394 amino acids (56-210a.a.) and having a molecular mass of 43.9kDa. (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). TNFRSF10B is expressed with a 239 amino acid hIgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

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