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## Product Data Sheet

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Product Name: TNFRSF10A Human  
 Cat. No.: GP21000  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	TNFRSF10A; TNF Receptor Superfamily Member 10a; Tumor Necrosis Factor Receptor Superfamily; Member 10a; TNF-Related Apoptosis-Inducing Ligand Receptor 1; Death Receptor 4; TRAIL Receptor 1; TRAIL-R1; TRAILR1; APO2; DR4; Tumor Necrosis Factor Receptor Superfamily Member 10a Variant 2; Tumor Necrosis Factor Receptor Superfamily Member 10A; Cytotoxic TRAIL Receptor; CD261 Antigen; TRAILR-1; CD261.		
Amino Acid Sequence	ASGTEAAAAT PSKVWGSSAG RIEPRGGGRG ALPTSMGQHG PSARARAGRA PGRPRAREAS PRLRVHKTFK FVVVGVLLQV VPSSAATIKL HDQSIGTQQW EHSPLGELCP PGSHRSEHPG ACNRCTEGVG YTNASNNLFA CLPCTACKSD EEERSPCTTT RNTACQCKPG TFRNDNSAEM CRKCSRG CPR GMVKVKDCTP WSDIECVHKE SGNGHNLEHH HHHH		
Formulation	TNFRSF10A protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

### Introduction

Human TNFRSF10A is a type 1 transmembrane protein in the TNF R superfamily. TNFRSF10A is not expressed in rodents. The trimeric ligand Trail binds TNFRSF10A and induces apoptosis, and recombinant, soluble forms of the receptor inhibit Trail-induced apoptosis. TNFRSF10A is expressed generally in damaged, infected, and malignant cells. TNFRSF10A functions in immune surveillance, inducing apoptosis in cancer cells but not normal cells.

### 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

TNFRSF10A produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 224 amino acids (24-239a.a.) and having a molecular mass of 23.9kDa. (Molecular size on SDS-PAGE will appear at approximately 18-28kDa). TNFRSF10A is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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