
Product Data Sheet

Product Name: TNFRSF10B Human
 Cat. No.: GP21002
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Tumor necrosis factor receptor superfamily member 10B; Death receptor 5; TNF-related apoptosis-inducing ligand receptor 2; TRAIL receptor 2; TRAIL-R2; CD262; TNFRSF10B; DR5; KILLER; TRAILR2; TRICK2; ZTNFR9; TRICKB; TRICK2A; TRICK2B; KILLER/DR5.		
Amino Acid Sequence	ESALITQQD LAPQQRVAPQ QKRSSPSEGL CPPGHHISED GRDCISCKYG QDYSTHWNDL LFCLRCTRCD SGEVELSPCT TTRNTVCQCE EGTFREEDSP EMCRCRTGC PRGMVKVGDC TPWSDIECVH KES.		
Solubility	It is recommended to reconstitute the lyophilized TNFRSF10B in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH7.4.		

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

The TNFRSF10B reduced the production of LPS-induced TNF by its ability to neutralize endogenous TRAIL in fresh human PBMC. In this assay, endogenous TRAIL is induced during a 24 hour exposure to LPS (10ng/mL) but in the presence of TNFRSF10B, TRAIL-induced TNF is suppressed.

Stability

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Lyophilized TNFRSF10B although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution TNFRSF10B should be stored at 4°C between 2-7 days and for future use below -18°C . For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Background

TNFRSF10B Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 132 amino acids and having a molecular mass of 14.8kDa. The TNFRSF10B is purified by proprietary chromatographic techniques.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA