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TNFRSF10B Human

TNF Ligand Receptor Superfamily Member 10B Human Recombinant
CYK0577

Product Overview

Name	TNFRSF10B Human

Description

TNF Ligand Receptor Superfamily Member 10B Human Recombinant

Accession (Primary)	O14763

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.

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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH7.4.

Stability

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.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

ESALITQQD LAPQQRVAPQ QKRSSPSEGL CPPGHHISED GRDCISCKYG QDYSTHWNDL LFCLRCTRCD SGEVELSPCT TTRNTVCQCE EGTFREEDSP EMCRKCRTGC PRGMVKVGDC TPWSDIECVH KES.

Biological Activity

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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.

Solubility

It is recommended to reconstitute the lyophilized TNFRSF10B in sterile 18M-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

TNFRSF10B Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O14763)