

## 32-1803: TNFRSF10B Recombinant Protein

**Alternative Name :** 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.

### Description

Source : Escherichia Coli. 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. 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.

### Product Info

**Amount :** 50 µg  
**Purification :** Greater than 95.0% as determined by SDS-PAGE.  
**Content :** Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH7.4.  
**Storage condition :** 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.  
**Amino Acid :** ESALITQQD LAPQQRVAPQ QKRSSPSEGL CPPGHHISED GRDCISCKYG QDYSTHWNDL  
LFCLRCTRCD SGEVELSPCT TTRNTVCQCE EGTFREEDSP EMCRCRGTGC PRGMVKVGDC  
TPWSDIECVH KES.

### Application Note

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

