

Recombinant Protein Technical Manual Recombinant Human TRAIL R4/TNFRSF10D Protein (Fc Tag) RPES4074

## Product Data:

Product SKU: RPES4074

Species: Human

Size:  $10 \mu g$ 

Expression host: Human Cells

Uniprot: Q9UBN6

Protein Information:	
Molecular Mass:	43.4 kDa
AP Molecular Mass:	50-70 kDa
Tag:	C-Fc
Bio-activity:	
Purity:	> 95% as determined by reducing SDS-PAGE.
Endotoxin:	< 1.0 EU per $\mu g$ as determined by the LAL method.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping:	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation:	Lyophilized from a 0.2 $\mu$ m filtered solution of PBS, pH7.4.
Reconstitution:	Please refer to the printed manual for detailed information.
Application:	
Synonyms:	Tumor necrosis factor receptor superfamily member 10D; Decoy receptor 2; DcR2; TNF-related apoptosis-inducing ligand receptor 4; TRAIL receptor 4; TRAIL-R4; TRAIL receptor with a truncated death domain; CD264; TNFRSF10D; DCR2; TRAILR4; TRUNDD

## Sequence: Ala56-His211

## Background:

Human TRAIL R4 is a type 1, TNF R family membrane protein, which is a receptor for TRAIL (APO2 ligand). TRAIL R4 contains an extracellular TRAIL-binding domain, a transmembrane domain, and a truncated cytoplasmic death domain. In the new TNF superfamily nomenclature, TRAIL R4 is referred to as TNFRSF10D. TRAIL R4 is unique among the TRAIL receptors in that its cytoplasmic domain contains a truncated consensus death domain motif. Binding of TRAIL R4 does not result in an apoptotic signal. Overexpression of TRAIL R4 can protect cells bearing TRAIL R1 and/or TRAIL R2 from TRAIL mediated apoptosis. The human soluble TRAIL R4/Fc chimera neutralizes the ability of TRAIL to induce apoptosis.