

Recombinant Protein Technical Manual

Recombinant Human TRAIL R3/TNFRSF10C Protein (His Tag)(Active) RPES1041

Product Data:

Product SKU: RPES1041	Size: 10µg	

Species: Human

Expression host: Human Cells

Uniprot: 014798

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Molecular Mass:	21.8 kDa
AP Molecular Mass:	40 kDa
Tag:	C-6His
Bio-activity:	Measured by its ability to inhibit TRAIL-mediated cytotoxicity using L-929 mouse fibroblast cells treated with TRAIL. The ED50 for this effect is 0.56 ng/ml.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin:	< 1.0 EU per μg as determined by the LAL method.
Storage:	Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°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 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Reconstitution:	Please refer to the printed manual for detailed information.
Application:	
Synonyms:	Tumor Necrosis Factor Receptor Superfamily Member 10C; Antagonist Decoy Receptor for TRAIL/Apo-2L; Decoy TRAIL Receptor Without Death Domain; Decoy Receptor 1; DcR1; Lymphocyte Inhibitor of TRAIL; TNF-Related Apoptosis-Inducing Ligand Receptor 3; TRAIL Receptor 3; TRAIL-R3; TRAIL Receptor Without an Intracellular Domain; CD263; TNFRSF10C; DCR1; LIT; TRAILR3; TRID

Sequence: Ala26-Ala221

Background:

Tumor Necrosis Factor Receptor Superfamily Member 10C (TNFRSF10C) is a glycosyl-phosphatidylinositollinked membrane protein which binds TRAIL with high affinity. TNFRSF10C has the TRAIL-binding extracellular cysteine-rich domains, lacks the intracellular signaling domain. As a result, binding of TRAIL to TRAIL R3 doesn't transduce an apoptosis signal. The expression of TRAIL R3 gene has been shown to protect cells bearing TRAIL R1 and/or TRAIL R2 from TRAIL-induced apoptosis.