



Recombinant Protein Technical Manual

Recombinant Human TRAIL R3/TNFRSF10C Protein (Fc & His Tag) RPES1059

Product Data:

Product SKU: RPES1059

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: O14798

Protein Information:

Molecular Mass: 48.7 kDa

AP Molecular Mass: 90 kDa

Tag: C-Fc-6His

Bio-activity:

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 7.4.

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

Immunogen Information:

Sequence: Ala26-Ala221

Background:

Tumor Necrosis Factor Receptor Superfamily Member 10C (TNFRSF10C) is a glycosyl-phosphatidylinositol-linked 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.