

CD253/TNFSF10/TRAIL, Human, Recombinant

Cat. No. : PCK219

General Information

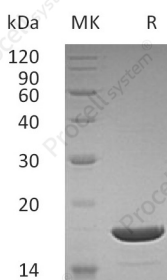
Synonyms	Tumor Necrosis Factor Ligand Superfamily Member 10; Apo-2 Ligand; Apo-2L; TNF-Related Apoptosis-Inducing Ligand; Protein TRAIL; CD253; TNFSF10; APO2L; TRAIL
Species	Human
Expression host	E.coli
Sequence	Arg115-Gly281
Accession	P50591
Mol mass	19.5 kDa
Expiration date	6 months
Bio activity	Measured in a cytotoxicity assay using L-929 mouse fibroblast cells in the presence of the metabolic inhibitor actinomycin D. The ED50 for this effect is 1-10 ng/mL.

Product feature

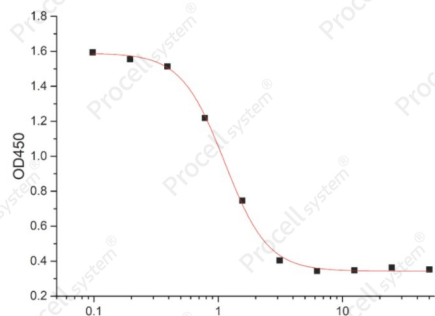
Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin (EU/μg)	< 0.1
Storage	Store at ≤-5~-20°C, stable for 6 months after receipt. Store at ≤-5~-20°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Shipping	Ice bag
Formulation	Supplied as a 0.2 μm filtered solution of 40 mM Tris-HCl, 300 mM NaCl, 5% Trehalose, 5% Mannitol, 0.01% Tween80, 10% Glycerol, pH 7.0.

Background

Human TNFSF10 is a type II transmembrane Protein with an intracellular N-terminus and a 'TNF homology domain' (THD) at the extracellular C terminus. TNFSF10 can interact with several distinct Receptors. Two of these Receptors that belongs to TNFR superfamily, DR4 (TRAIL-R1) and DR5 (TRAIL-R2/TRICK2), are plasma membrane Proteins containing intracellular death domains essential for activating apoptosis. TNFSF10 is promising for cancer therapy because it is cytotoxic and activates apoptosis in the majority of malignant cells, but not in normal cells.

SDS-PAGE

Bio activity



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