

Recombinant Human TRAIL/TNFSF10 Protein (aa 114-281, His Tag)(Active)

Catalog No. PKSH033130

Note: Centrifuge before opening to ensure complete recovery of vial contents.

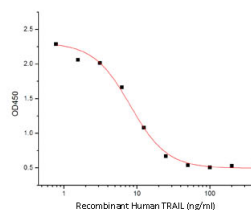
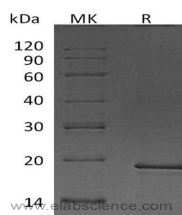
Description

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	Val114-Gly281
Accession	Q6IBA9
Calculated Molecular Weight	20.6 kDa
Observed molecular weight	18 kDa
Tag	C-6His
Bioactivity	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 5-50 ng/ml.

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Storage	Generally, 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 ₇ 150mM NaCl,pH7.4.
Reconstitution	Please refer to the printed manual for detailed information.

Data



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

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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.