Recombinant Human TRAIL Protein

Catalog Number:PKSH033422

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

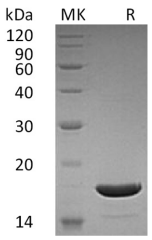
Description

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	Arg115-Gly281
Accession	P50591
Calculated Molecular Weight	20.3 kDa
Observed molecular weight	18 kDa
Tag	C-His
Bioactivity	Measure by its ability to induce cytotoxicity in L929 cells in the presence of actinomycin D. The ED_{50} for this effect is 10.4-15.4 ng/mL.

Properties

Purity	> 98 % as determined by reducing SDS-PAGE.
Endotoxin	< 0.1 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS,pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 98 % as determined by reducing SDS-PAGE.

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

For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Web: www.elabscience.com Email: techsupport@elabscience.com

because it is cytotoxic and activates apoptosis in the majority of malignant cells, but not in normal cells.

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Web: www.elabscience.com Email: techsupport@elabscience.com