Human TRAIL R3 protein, Fc Tag (MALS verified)

Catalog # TR3-H52F3

Synonym

CD263, DCR1, DCR1-TNFR, LIT, TRAIL-R3, TRAILR3, TRID

Source

Human TRAIL R3 protein, Fc Tag(TR3-H52F3) is expressed from human 293 cells (HEK293). It contains AA Ala 26 - Pro 235 (Accession # O14798).
Predicted N-terminus: Ala 26

Molecular Characterization

TRAIL R3(Ala 26 - Pro 235) O14798	Fc(Pro 100 - Lys 330) P01857

This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 48.6 kDa. The protein migrates as 65-95 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.

>95% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

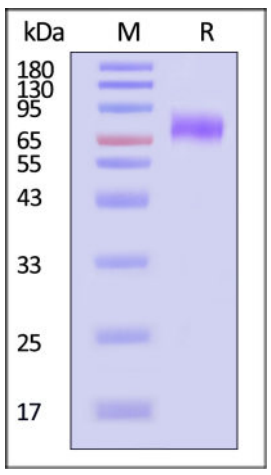
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

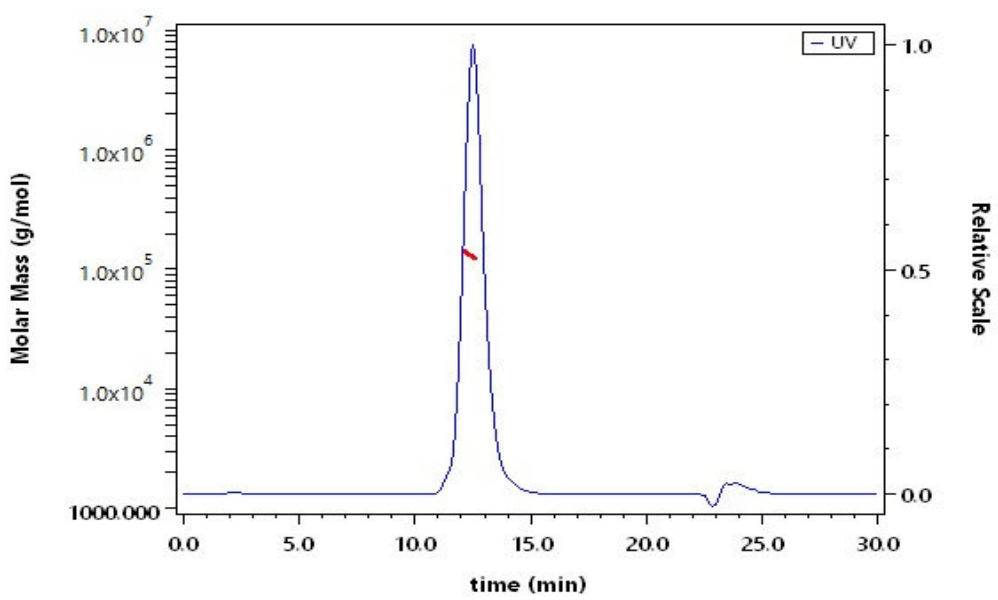
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



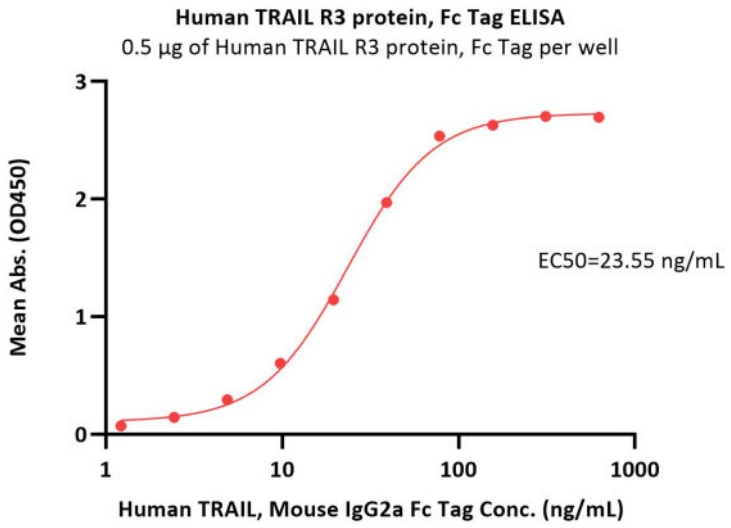
Human TRAIL R3 protein, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With Star Ribbon Pre-stained Protein Marker).

SEC-MALS



The purity of Human TRAIL R3 protein, Fc Tag (Cat. No. TR3-H52F3) is more than 95% and the molecular weight of this protein is around 120-145 kDa verified by SEC-MALS.
Report

Bioactivity-ELISA



Immobilized Human TRAIL R3 protein, Fc Tag (Cat. No. TR3-H52F3) at 5 μg/mL (100 μL/well) can bind Human TRAIL, Mouse IgG2a Fc Tag (Cat. No. TRL-H5259) with a linear range of 1-78 ng/mL (QC tested).

Background

Tumor necrosis factor receptor superfamily member 10C (TNFRSF10C) is also known as Decoy receptor 1 (DcR1), TNF-related apoptosis-inducing ligand receptor 3 (TRAIL receptor 3 or TRAIL-R3), CD263. TNFRSF10C is a decoy receptor for TRAIL (tumor necrosis factor-related apoptosis-inducing ligand), a member of the tumor necrosis factor (TNF) ligand family. This receptor is not capable of inducing apoptosis (lacks a cytoplasmic death domain), and is thought to function as an antagonistic receptor that protects cells from TRAIL-induced apoptosis.