Human TRAIL R4 / TNFRSF10D Protein, Fc Tag (MALS verified)

Catalog # TR4-H5253

Synonym

TNFRSF10D,CD264,TRAILR4,DCR2,TRUNDD

Source

Human TRAIL R4 Protein, Fc Tag(TR4-H5253) is expressed from human 293 cells (HEK293). It contains AA Ala 56 - His 211 (Accession # Q9UBN6).
Predicted N-terminus: Ala 56

Molecular Characterization

CD264(Ala 56 - His 211) Q9UBN6	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 43.2 kDa. The protein migrates as 50-60 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.

Purity

>95% as determined by SDS-PAGE.

>90% 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

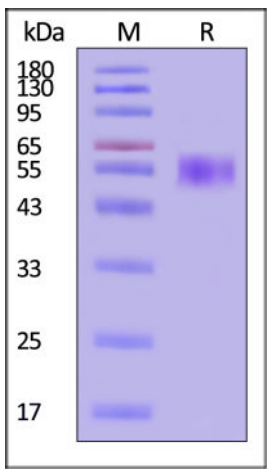
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

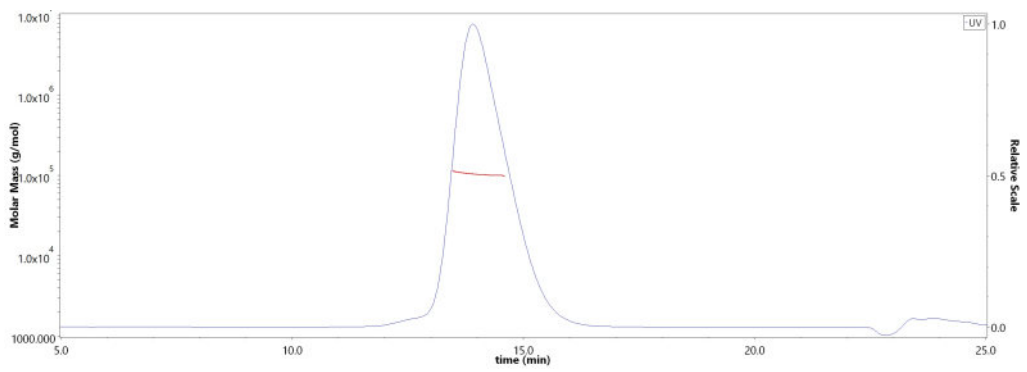
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



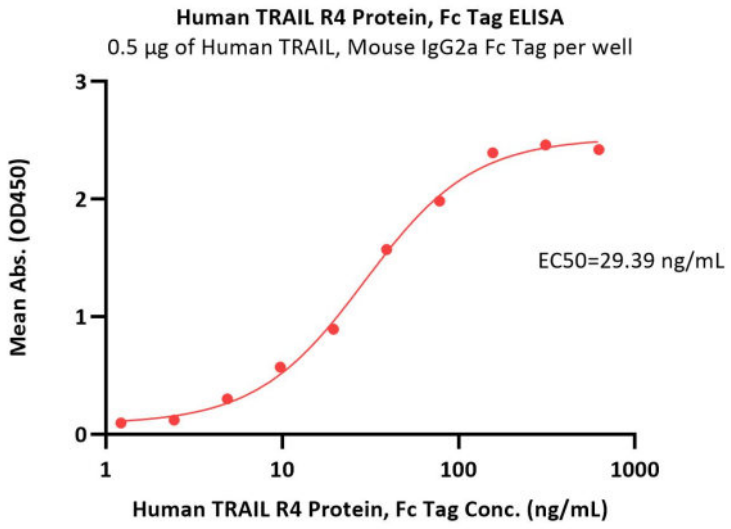
Human TRAIL R4 Protein, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With Star Ribbon Pre-stained Protein Marker).

SEC-MALS



The purity of Human TRAIL R4 Protein, Fc Tag (Cat. No. TR4-H5253) is more than 90% and the molecular weight of this protein is around 90-115 kDa verified by SEC-MALS.
Report

Bioactivity-ELISA



Immobilized Human TRAIL, Mouse IgG2a Fc Tag (Cat. No. TRL-H5259) at 5 μg/mL (100 μL/well) can bind Human TRAIL R4 Protein, Fc Tag (Cat. No. TR4-H5253) with a linear range of 1-78 ng/mL (QC tested).

Background

Tumor necrosis factor receptor superfamily member 10D (TNFRSF10D) is also known as Decoy receptor 2 (DcR2), TNF-related apoptosis-inducing ligand receptor 4 (TRAIL receptor 4 or TRAIL-R4), CD264,which is the single-pass type I membrane protein. TNFRSF10D is receptor for the cytotoxic ligand TRAIL, which contains a truncated death domain and hence is not capable of inducing apoptosis but protects against TRAIL-mediated apoptosis.

Clinical and Translational Updates