

Biotinylated Human TRAIL R4/TNFRSF10D Protein

Cat. No. TRL-HM4R4B

Description

Source	Recombinant Biotinylated Human TRAIL R4/TNFRSF10D Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Ala56-His211.
Accession	Q9UBN6
Molecular Weight	The protein has a predicted MW of 19.4 kDa. Due to glycosylation, the protein migrates to 38-50 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

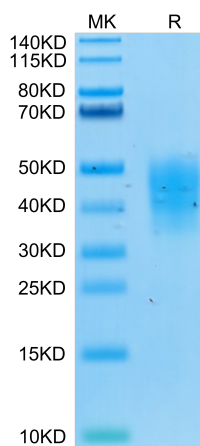
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

TNF-related apoptosis inducing ligand (TRAIL) is a potential antitumor protein known for its ability to selectively eliminate various types of tumor cells without exerting toxic effects in normal cells and tissues. TRAIL-R2/DR5 as well as TRAIL-R3/DcR1 and TRAIL-R4/DcR2 were significantly higher expressed in advanced tumour stages.

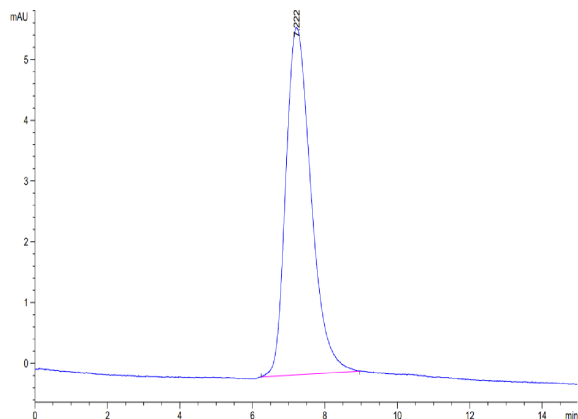
Assay Data

Bis-Tris PAGE



Biotinylated Human TRAIL R4 on Bis-Tris PAGE under reduced conditions. The purity is greater than 95%.

SEC-HPLC

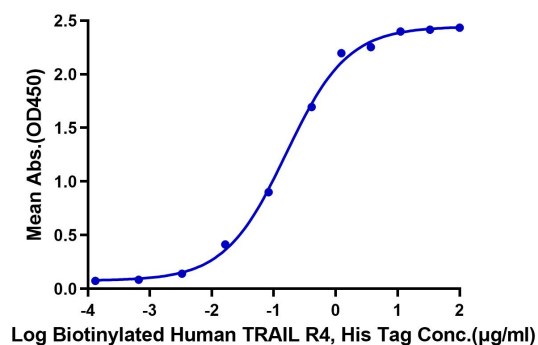


The purity of Biotinylated Human TRAIL R4 is greater than 95% as determined by SEC-HPLC.

Assay Data

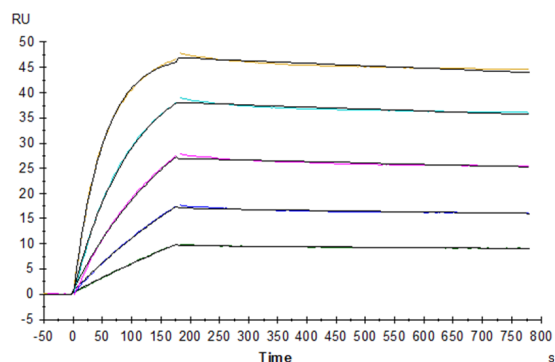
ELISA Data

Biotinylated Human TRAIL R4, His Tag ELISA
0.5µg Human TRAIL, No Tag Per Well



Immobilized Human TRAIL, No Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human TRAIL R4, His Tag with the EC50 of 0.14µg/ml determined by ELISA (QC Test).

SPR Data



Biotinylated Human TRAIL R4, His-Avi Tag immobilized on CM5 Chip can bind Human TRAIL, No Tag with an affinity constant of 0.135 nM as determined in SPR assay (Biacore T200).