

Human TRAIL/TNFSF10 Trimer Protein



Cat. No. TRL-HM101

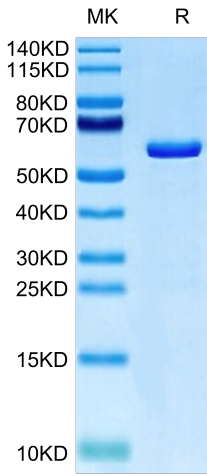
Description	
Source	Recombinant Human TRAIL/TNFSF10 Trimer Protein is expressed from HEK293 with His tag and Flag tag at the N-Terminus. It contains Gly118-Gly281 trimer design.
Accession	P50591-1
Molecular Weight	The protein has a predicted MW of 60 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC

Formulation and Storage	
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
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	
Tumor necrosis factor (TNF)-related apoptosis-inducing ligand (TRAIL) is a member of the TNF superfamily that can initiate the apoptosis pathway by binding to its associated death receptors DR4 and DR5. The activation of the TRAIL pathway in inducing tumor-selective apoptosis leads to the development of TRAIL-based cancer therapies, which include recombinant forms of TRAIL, TRAIL receptor agonists, and other therapeutic agents.	

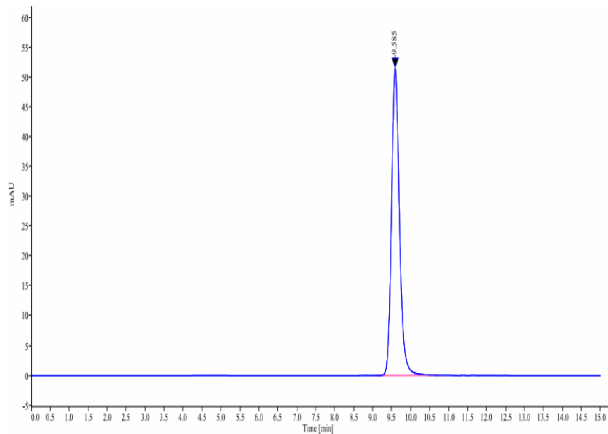
Assay Data

Bis-Tris PAGE



Human TRAIL Trimer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

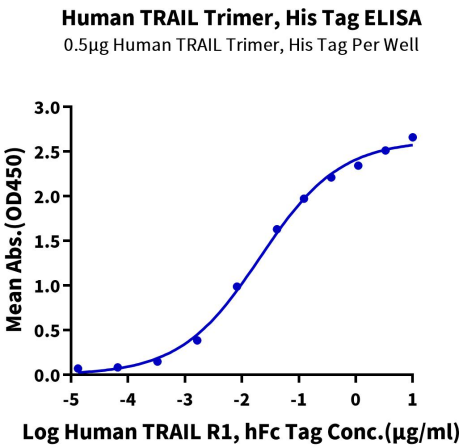
SEC-HPLC



The purity of Human TRAIL Trimer is greater than 90% as determined by SEC-HPLC.

Assay Data

ELISA Data



Immobilized Human TRAIL Trimer, His Tag at 5 µg/ml (100 µl/well) on the plate. Dose response curve for Human TRAIL R1, hFc Tag with the EC50 of 20.9 ng/ml determined by ELISA.