Human TRAIL Trimer Protein

Cat. No. TRL-HM101

Description

Source	Recombinant Human TRAIL Trimer Protein is expressed from Expi293 with His tag and Flag tag at the N-terminal.
	It contains Gly118-Gly281.
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 Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

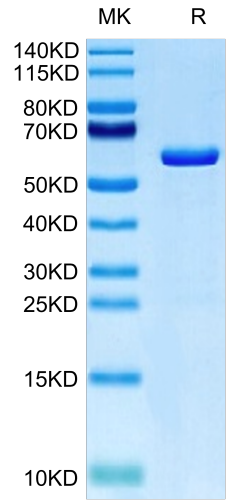
Formulation	Supplied as 0.22μm filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated 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.

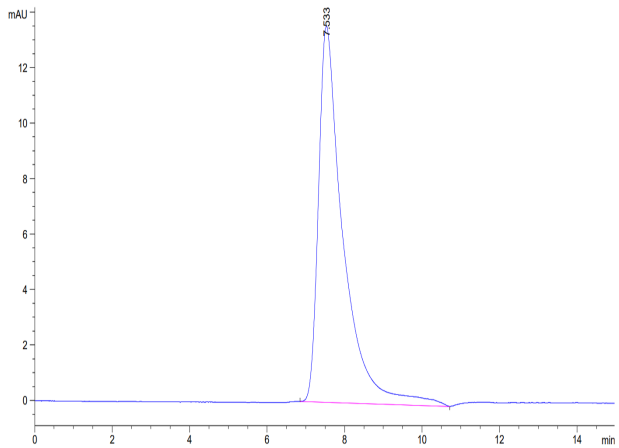
Assay Data

Tris-Bis PAGE



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

SEC-HPLC



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

ELISA Data

Human TRAIL Trimer Protein

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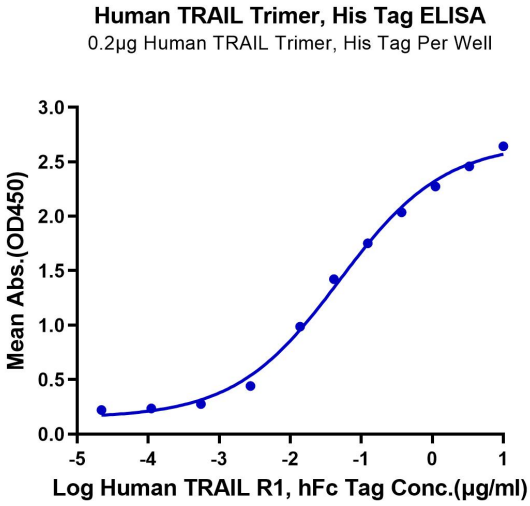
Assay Data



Immobilized TRAIL Trimer, His Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Human TRAIL R1, hFc Tag with the EC50 of 49.2ng/ml determined by ELISA.