Human TRAIL R3/DcR1 Protein

Cat. No. TRA-HM103

Description

Source	Recombinant Human TRAIL R3/DcR1 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Tyr24-Ala236.
Accession	Q05D71
Molecular Weight	The protein has a predicted MW of 23.5 kDa. Due to glycosylation, the protein migrates to 60-80 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

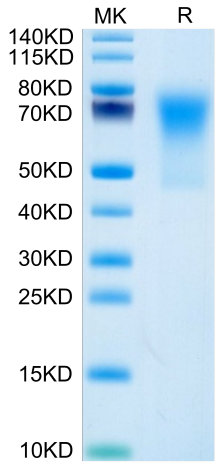
Formulation	Supplied as 0.22μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

The tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) is a member of the TNF family, which mediates apoptosis by the extrinsic pathway. Up-regulation of decoy receptors, DcR1 and DcR2, may result in diminished binding of TRAIL to their functional receptors. DcR1 expression occurs in a subset of EC and may contribute to resistance to TRAIL-induced apoptosis.

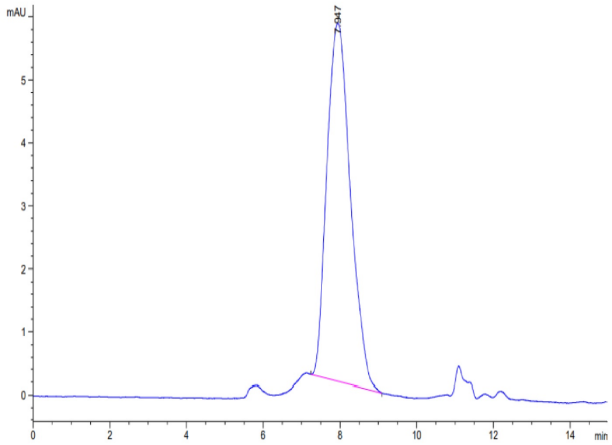
Assay Data

Bis-Tris PAGE



Human TRAIL R3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human TRAIL R3 is greater than 95% as determined by SEC-HPLC.

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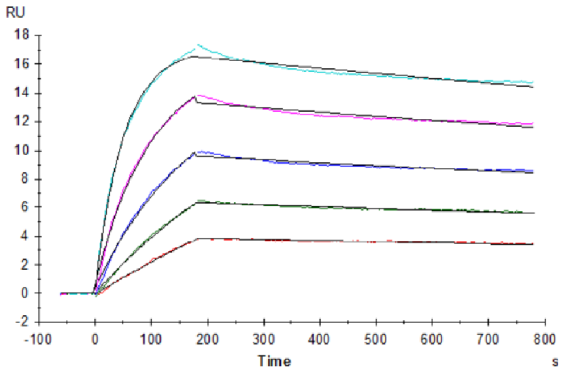
Assay Data

SPR Data



Human TRAIL R3, His Tag immobilized on CM5 Chip can bind Human TRAIL, No Tag with an affinity constant of 0.57 nM as determined in SPR assay (Biacore T200).