Mouse TRAIL R2/DR5/TNFRSF10B Protein

Cat. No. TRL-MM1R2

Description

Source	Recombinant Mouse TRAIL R2/DR5/TNFRSF10B Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Asn53-Lys180.
Accession	Q9QZM4-1
Molecular Weight	The protein has a predicted MW of 15.3 kDa. Due to glycosylation, the protein migrates to 30-40 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by SEC-HPLC

Formulation and Storage

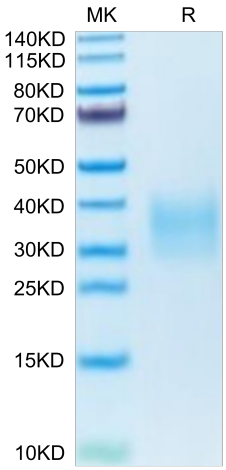
Formulation	Supplied as 0.22μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

DR5, also called TRAIL R2, TRICK 2, TNFRSF10B, and MK is a type 1 TNF R superfamily, membrane protein which is a receptor for TRAIL (APO2 ligand). DR5 is a receptor for the cytotoxic ligand TNFSF10/TRAIL. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis.

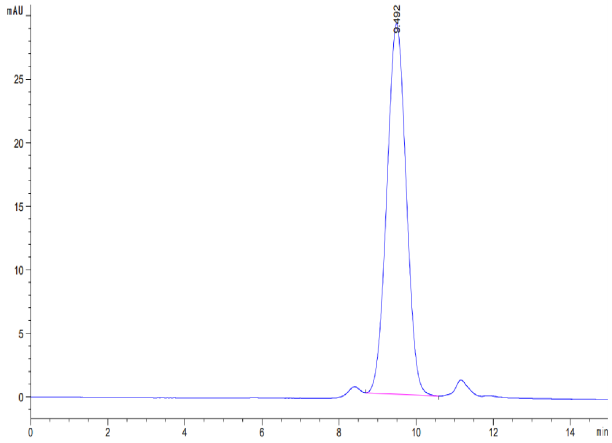
Assay Data

Bis-Tris PAGE



Mouse TRAIL R2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



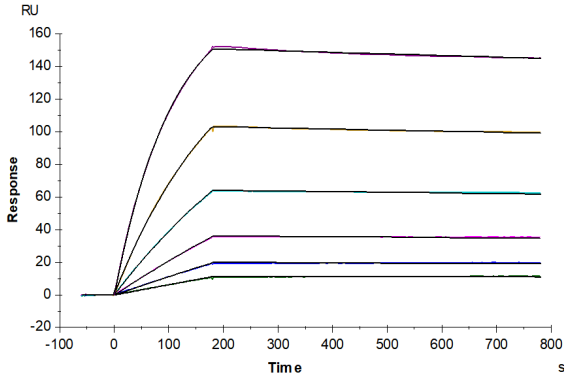
The purity of Mouse TRAIL R2 is greater than 95% as determined by SEC-HPLC.

Mouse TRAIL R2/DR5/TNFRSF10B Protein

Cat. No. TRL-MM1R2

Assay Data

SPR Data



Mouse TRAIL R2, His Tag immobilized on CM5 Chip can bind Human TRAIL, No Tag with an affinity constant of 0.68 nM as determined in SPR assay (Biacore T200).