

Human TRAIL R2/DR5/TNFRSF10B Protein

Cat. No. DR5-HM201

Description

| | |
|-------------------------|--|
| Source | Recombinant Human TRAIL R2/DR5/TNFRSF10B Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Ile56-Glu182. |
| Accession | O14763-1 |
| Molecular Weight | The protein has a predicted MW of 41.1 kDa. Due to glycosylation, the protein migrates to 50-55 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 1EU per ug by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC |

Formulation and Storage

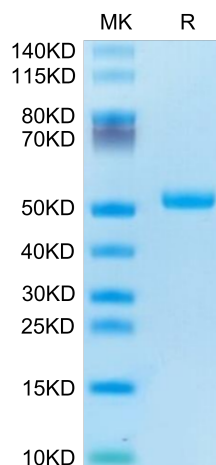
| | |
|--------------------|--|
| Formulation | Supplied as 0.22µm filtered solution in 50mM Tris, 100mM NaCl (pH 7.5). |
| Storage | Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw 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.

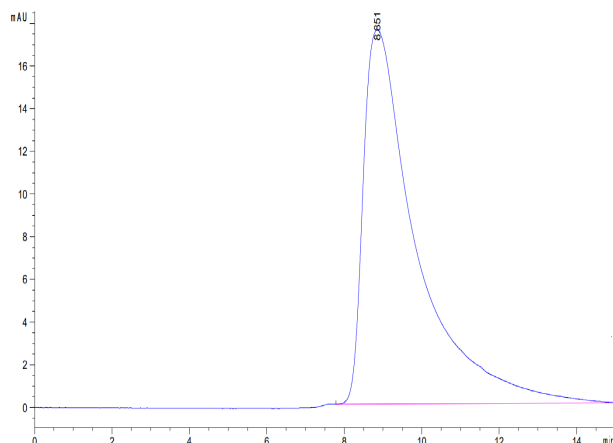
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



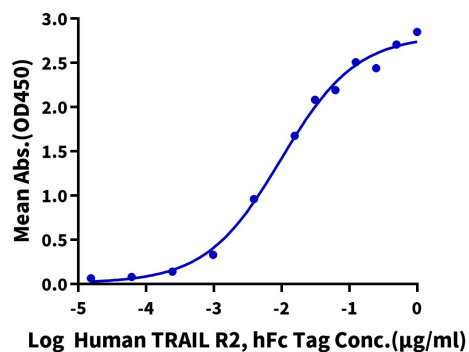
The purity of Human TRAIL R2 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human TRAIL R2, hFc Tag ELISA

0.2µg Human Trail, No Tag Per Well



Immobilized Human Trail, No Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human TRAIL R2, hFc Tag with the EC50 of 9.8ng/ml determined by ELISA (QC Test).