

Datasheet for ABIN7275773

DcR1 Protein (AA 24-236) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	DcR1 (TNFRSF10C)
Protein Characteristics:	AA 24-236
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DcR1 protein is labelled with His tag.

Product Details

Purpose:	Human DcR1/TRAILR3 Protein
Sequence:	Tyr24-Ala236
Characteristics:	Recombinant Human DcR1/TRAILR3 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Tyr24-Ala236.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 0.57 nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

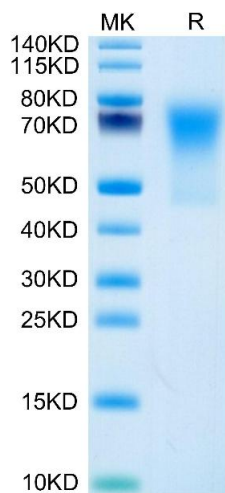
Target:	DcR1 (TNFRSF10C)
Alternative Name:	DcR1 (TNFRSF10C Products)
Background:	The tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) is a member of the TNF family, which mediates apoptosis by the extrinsic pathway. Up-regulation of decoy receptors, DcR1 and DcR2, may result in diminished binding of TRAIL to their functional receptors. DcR1 expression occurs in a subset of EC and may contribute to resistance to TRAIL-induced apoptosis.
Molecular Weight:	23.5 kDa. Due to glycosylation, the protein migrates to 60-80 kDa based on Tris-Bis PAGE result.
UniProt:	Q05D71
Pathways:	Apoptosis

Application Details

Restrictions:	For Research Use only
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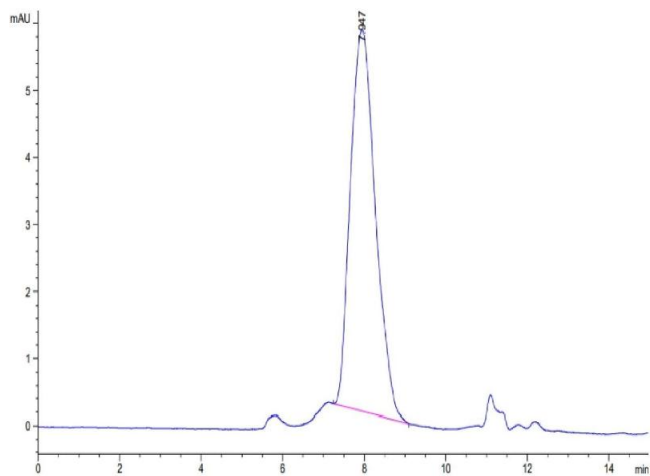
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



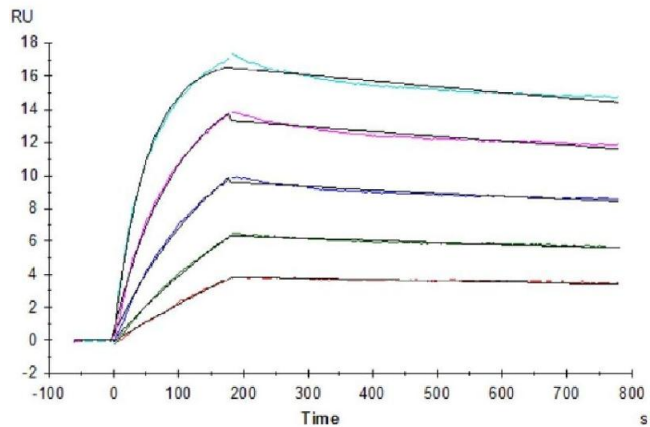
SDS-PAGE

Image 1. Human DcR1/TRAILR3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human DcR1/TRAILR3 is greater than 95 % as determined by SEC-HPLC.



Surface Plasmon Resonance

Image 3. Human DcR1, 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).