

Datasheet for ABIN7274481

DLL1 Protein (AA 18-540) (His tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	DLL1
Protein Characteristics:	AA 18-540
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DLL1 protein is labelled with His tag.

Product Details

Purpose:	Human DLL1/Delta1 Protein
Sequence:	Gln18-Gly540
Characteristics:	Recombinant Human DLL1/Delta1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln18-Gly540.
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.

Target Details

Target:	DLL1
Alternative Name:	DLL1 (DLL1 Products)

Target Details

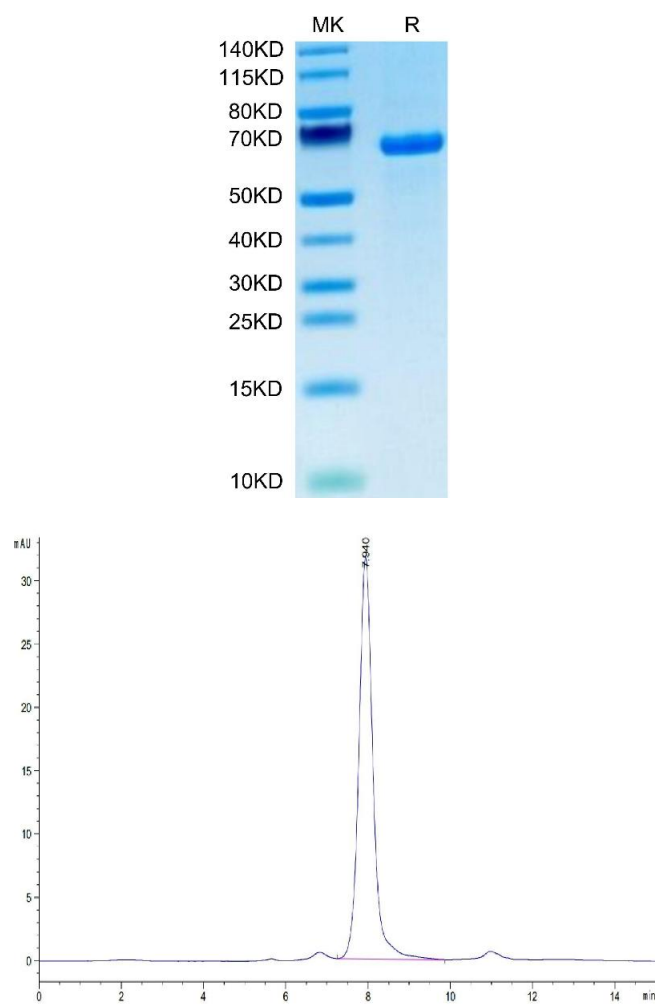
Background:	DLL1, a Notch signaling ligand, is significantly overexpressed in ERα luminal breast cancer. Intriguingly, DLL1 overexpression correlates with poor prognosis in ERα luminal breast cancer, but not in other subtypes of breast cancer. In addition, this effect is specific to DLL1, as other Notch ligands (DLL3, JAGGED1, and JAGGED2) do not influence the clinical outcome of ERα patients. DLL1-mediated Notch signaling in breast cancer is important for tumor cell proliferation, angiogenesis, and cancer stem cell function.
Molecular Weight:	57.6 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.
NCBI Accession:	NP_005609
Pathways:	Notch Signaling , Stem Cell Maintenance

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 50 mM Tris, 150 mM NaCl (pH 7.5). 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 DLL1/Delta1 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 DLL1/Delta1 is greater than 95 % as determined by SEC-HPLC.