

Datasheet for ABIN7274485  
**DLL4 Protein (AA 27-524) (Fc Tag)**

## 5 Images

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## Overview

Quantity:	100 µg
Target:	DLL4
Protein Characteristics:	AA 27-524
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DLL4 protein is labelled with Fc Tag.

## Product Details

Purpose:	Human DLL4 Protein
Sequence:	Ser27-Pro524
Characteristics:	Recombinant Human DLL4 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Ser27-Pro524.
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:	Immobilized Human DLL4, hFc Tag at 1 µg/ml (100 µl/Well) on the plate. Dose response curve for Biotinylated Anti-DLL4 Antibody, hFc Tag with the EC <sub>50</sub> of 17.8 ng/ml determined by ELISA. The affinity constant of 0.48 µM as determined in SPR assay (Biacore T200). See testing image for detail.

## Target Details

Target:	DLL4
Alternative Name:	DLL4 ( <a href="#">DLL4 Products</a> )
Background:	Delta-like protein 4 (DLL4) is a type I membrane protein belonging to the Delta/Serrate/Lag2 (DSL) family of Notch ligands. Activates NOTCH1 and NOTCH4. Involved in angiogenesis, negatively regulates endothelial cell proliferation and migration and angiogenic sprouting. Essential for retinal progenitor proliferation. Required for suppressing rod fates in late retinal progenitors as well as for proper generation of other retinal cell types (By similarity). During spinal cord neurogenesis, inhibits V2a interneuron fate.
Molecular Weight:	81.1 kDa. Due to glycosylation, the protein migrates to 82-90 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">Q9NR61</a>
Pathways:	<a href="#">Notch Signaling</a>

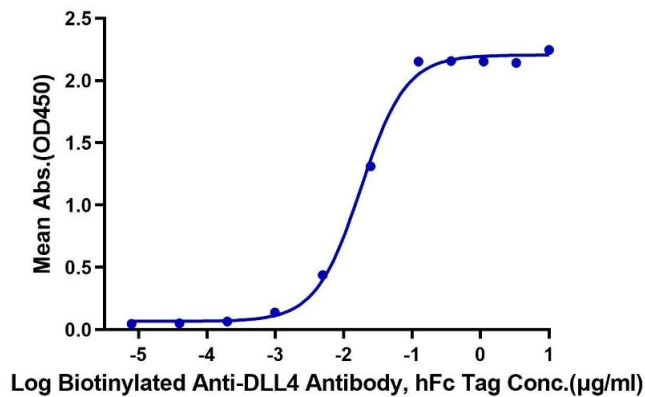
## Application Details

Restrictions:	For Research Use only
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## Handling

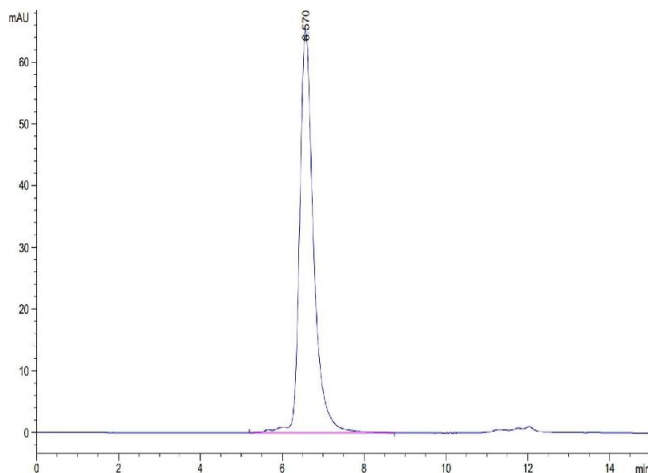
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant 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

**Human DLL4, hFc Tag ELISA**  
0.1µg Human DLL4, hFc Tag Per Well



**ELISA**

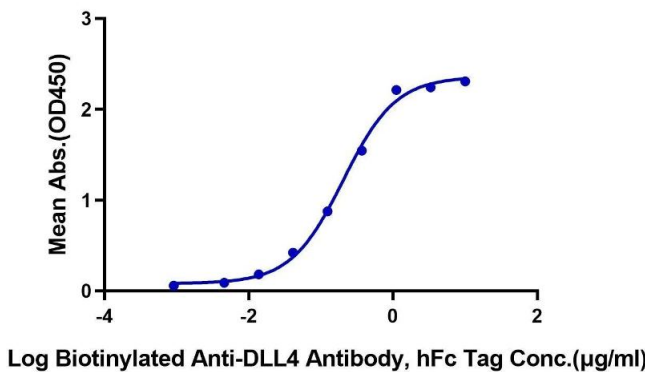
**Image 1.** Immobilized Human DLL4, hFc Tag at 1 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Anti-DLL4 Antibody, hFc Tag with the EC50 of 17.8 ng/mL determined by ELISA.



**Size-exclusion chromatography-High Pressure Liquid Chromatography**

**Image 2.** The purity of Human DLL4 is greater than 95 % as determined by SEC-HPLC.

**Human DLL4, hFc Tag ELISA**  
0.1µg Human DLL4, hFc Tag Per Well



**ELISA**

**Image 3.** Immobilized Human DLL4, hFc Tag at 1 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Anti-DLL4 Antibody, hFc Tag with the EC50 of 0.2 µg/mL determined by ELISA.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7274485.