

Datasheet for ABIN7319919

DLL1 Protein (Fc Tag)**1** Image[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	DLL1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DLL1 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human Delta-like Protein 1/DLL1 (C-Fc)
Sequence:	Gln18-Gly540
Characteristics:	Recombinant Human Delta-like Protein 1 is produced by our Mammalian expression system and the target gene encoding Gln18-Gly540 is expressed with a Fc tag at the C-terminus.
Purity:	>95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	DLL1
Alternative Name:	DLL1 (DLL1 Products)
Background:	Background: Delta-like protein 1 (DLL1) is a type I transmembrane protein that belongs to the Delta/Serrate/Lag2 (DSL) family of Notch ligands. Mature human DLL1 consists of a 528 amino acid (aa) extracellular domain (ECD) with one DSL domain and eight EGF-like repeats, a 23 aa

Target Details

transmembrane segment, and a 155 aa cytoplasmic domain. Within the ECD, human DLL1 shares 91 % aa sequence identity with mouse and rat DLL1. The residual membranebound portion of DLL1 can be cleave by presenilin-dependent γ -secretase, enabling the cytoplasmic domain to migrate to the nucleus. DLL1 localizes to adherens junctions on neuronal processes through its association with the scaffolding protein MAGI1. DLL1 is widely expressed, and it plays an important role in embryonic somite formation, cochlear hair cell differentiation, plus B and T lymphocyte differentiation. The upregulation of DLL1 in arterial endothelial cells following injury or angiogenic stimulation is central to postnatal arteriogenesis. DLL1 is also overexpressed in cervical carcinoma and glioma and contributes to tumor progression.

Synonym: Delta-like protein 1, Drosophila Delta homolog 1, Delta1, H-Delta-1, DLL1

Molecular Weight: 83.3 kDa

UniProt: [O00548](#)

Pathways: [Notch Signaling](#), [Stem Cell Maintenance](#)

Application Details

Comment: 90-100 kDa

Restrictions: For Research Use only

Handling

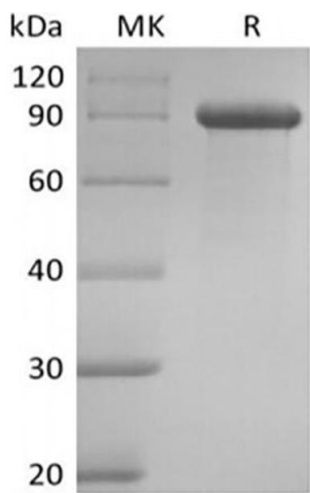
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 μ m filtered solution of 20 mM Hepes, 150 mM NaCl, 1 mM EDTA, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.