

Datasheet for ABIN7199252  
**DLL1 Protein (His-Avi Tag,Biotin)**



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## Overview

Quantity:	200 µg
Target:	DLL1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DLL1 protein is labelled with His-Avi Tag,Biotin.

## Product Details

Purpose:	Biotinylated Human DLL1 / Delta1 Protein, His,Avitag™ (MALS verified)
Sequence:	Gln 18 - Gly 540
Characteristics:	Biotinylated Human DLL1, His,Avitag is expressed from human 293 cells (HEK293). It contains AA Gln 18 - Gly 540 (Accession # O00548-1).
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.
Grade:	MALS verified

## Target Details

Target:	DLL1
Alternative Name:	DLL1 / Delta1 ( <a href="#">DLL1 Products</a> )
Background:	Synonyms: DLL1,Delta1,H-Delta-1,

## Target Details

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Description: Delta-like protein 1 (DLL1) is also known as Drosophila Delta homolog 1 (Delta1 or H-Delta-1), which contains one DSL domain and eight EGF-like domains. DLL1 is ubiquitinated by MIB (MIB1 or MIB2), leading to its endocytosis and subsequent degradation. As for expression, DLL1 is expressed in heart and pancreas, with lower expression in brain and muscle and almost no expression in placenta, lung, liver and kidney. Furthermore, DLL1 acts as a ligand for Notch receptors. Also, DLL1 can block the differentiation of progenitor cells into the B-cell lineage while promoting the emergence of a population of cells with the characteristics of a T-cell/NK-cell precursor.

Molecular Weight: 60.1 kDa

NCBI Accession: [NP\\_005609](#)

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

## Application Details

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Application Notes: This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™). The protein has a calculated MW of 60.1 kDa. The protein migrates as 60-65 kDa under reducing (R) condition due to glycosylation.

Comment: Ready-to-use Avitag™ biotinylated protein:  
The product is exclusively produced using the Avitag™ technology. Briefly, a unique 15 amino acid peptide, the Avi tag, is introduced into the recombinant protein during expression vector construction. The single lysine residue in the Avi tag is enzymatically biotinylated by the E. Coli biotin ligase BirA.

This single-point enzymatic labeling technique brings many advantages for commonly used binding assays. The biotinylation happens on the lysine residue of Avi tag, and therefore does NOT interfere with the target protein's natural binding activities. In addition, when immobilized on an avidin-coated surface, the protein orientation is uniform because the position of the Avi tag in the protein is precisely controlled.

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Buffer: PBS, pH 7.4

## Handling

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Storage: -20 °C

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Storage Comment: For long term storage, the product should be stored at lyophilized state at -20°C or lower.