

## Datasheet for ABIN2469061 DLL1 Protein



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### Overview

Quantity:	0.005 mg
Target:	DLL1
Origin:	Human, Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active

### Product Details

Sequence:	SGVFELKLQE FVNKKGLLGN RNCCRGGAGP PPCACRTFFR VCLKHYQASV SPEPPCTYGS AVTPVLGVDS FSLPDGGGAD SAFSNPIRFP FGFTWPGTFS LIIEALHTDS PDDLATENPE RLISRLATQR HLTVGEEWSQ DLHSSGRTDL KYSYRFVCDE HYYGEGCSVF CRPRDDAFGH FTCGERGEKV CNPGWKGPYC TEPICLPGCD EQHGFCDKPG ECKCRVGWQG RYCDECIRYP GCLHGTCQQP WQCNCQEGWG GLFCNQDLNY CTHHKPCKNG ATCTNTGQGS YTCSCRPGYT GATCELGIDE CDPSPCKNGG SCTDLENSYS CTCPPGFYGK ICELSAMTCA DGPCFNGGRC SDSPDGGYSC RCPVGYSGFN CEKKIDYCSS SPCSNGAKCV DLGDAYLCRC QAGFSGRHCD DNVDDCASSP CANGGTCRDG VDNFSCTCPG GYTGRNCSAP VSRCEHAPCH NGATCHERGH RYVCECARGY GGPNCQFLLP ELPPGPAVVD LTEKLEGQGG PF
Characteristics:	Biological activity was determined by the dose dependent growth suppression of the human acute monocytic leukemia cell line, THP - 1. sDLL - 1 inhibits the proliferation in THP - 1 cells using a concentration of 3.0 - 5.0 µg/mL.
Purity:	< 95 % by SDS-PAGE gel and HPLC analyses.
Endotoxin Level:	Endotoxin level is less than 0.1 ng per µg (1 EU/µg).

## Target Details

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Target:	DLL1
Alternative Name:	sDLL-1 ( <a href="#">DLL1 Products</a> )
Background:	Human sDLL-1 comprises the extracellular signaling domain of DLL1, a member of a structurally-related family of single-pass type I trans-membrane proteins that serve as ligands for Notch receptors. It is expressed in the heart and pancreas, and to a lesser extent in various other tissues. DLL-1 functions to specifically activate the Notch-1 and Notch-2 receptors. The Notch signaling pathway regulates endothelial-cell differentiation, proliferation and apoptosis, and is essential for the development, maintenance and remodeling of the vascular system. DLL-1 suppresses differentiation of hematopoietic progenitor cells into the B-cell lineage while promoting differentiation to T-cell and NK cell precursors. Recombinant human sDLL-1 is a 57.0-60.0 kDa glycoprotein containing 522 amino-acid residues.
Gene ID:	24772
NCBI Accession:	<a href="#">NP_001029054</a>
OMIM:	76496504
UniProt:	<a href="#">Q9QZD1</a>
Pathways:	<a href="#">Notch Signaling</a> , <a href="#">Stem Cell Maintenance</a>

## Application Details

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Restrictions: For Research Use only

## Handling

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Format:	Lyophilized
Handling Advice:	As with any protein, exposing sDLL-1 recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.
Storage:	-20 °C
Storage Comment:	The recombinant protein is stable for at least 2 years from date of receipt at -20 °C. Reconstituted sDLL-1 is stable for at least 3 months when stored in working aliquots with a carrier protein at -20 °C.
Expiry Date:	24 months