DLL1 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	DLL1, Recombinant Protein
Full Product Name	Recombinant Human DLL1 Protein
Product Gene Name	DLL1 recombinant protein
Product Synonym Names	Delta-like protein 1; Drosophila Delta homolog 1; Delta1; H-Delta-1
Sequence	QVWSSGVFEL KLQEFVNKKG LLGNRNCCRG GAGPPPCACR TFFRVCLKHY QASVSPEPPC TYGSAVTPVL GVDSFSLPDG GGADSAFSNP IRFPFGFTWP GTFSLIIEAL HTDSPDDLAT ENPERLISRL ATQRHLTVGE EWSQDLHSSG RTDLKYSYRF VCDEHYYGEG CSVFCRPRDD AFGHFTCGER GEKVCNPGWK GPYCTEPICL PGCDEQHGFC DKPGECKCRV GWQGRYCDEC IRYPGCLHGT CQQPWQCNCQ EGWGGLFCNQ DLNYCTHHKP CKNGATCTNT GQGSYTCSCR PGYTGATCEL GIDECDPSPC KNGGSCTDLE NSYSCTCPPG FYGKICELSA MTCADGPCFN GGRCSDSPDG GYSCRCPVGY SGFNCEKKID YCSSSPCSNG AKCVDLGDAY LCRCQAGFSG RHCDDNVDDC ASSPCANGGT CRDGVNDFSC TCPPGYTGRN CSAPVSRCEH APCHNGATCH ERGHRYVCEC ARGYGGPNCQ FLLPELPPGP AVVDLTEKLE GQGHHHHHH
Host	Human Cells
Form/Format	Lyophilized from a 0.2 mum filtered solution of PBS, pH7.4.
Purity/Purification	>95% as determined by reducing SDS-PAGE
Preparation and Storage	Lyophilized protein should be stored at -20 degree C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at -20 degree C for 3 months.
OMIM	606582
3D Structure	ModBase 3D Structure for O00548
Endotoxin	Less than 0.1 ng/ug (1 IEU/ug) as determined by LAL test.
Applications Tested/Suitable for DLL1 recombinant protein	ELISA (EIA), Western Blot (WB), SDS-PAGE
Related Product Information for DLL1 recombinant protein	Recombinant Human DLL1 Protein is produced by mammalian expression system and the target gene encoding Gln18-Gly540 is expressed
Other Notes	Small volumes of DLL1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DLL1 purchase	MBS8304970 is a recombinant protein targeting DLL1. Also known as Recombinant Human DLL1 Protein. Host: Human Cells.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DLL1. It may not necessarily be applicable to this product.

NCBI GI #	110735443
NCBI GeneID	28514
NCBI Accession #	NP_005609.3
UniProt Primary Accession #	O00548
UniProt Related Accession #	O00548

GenBank Nucleotide #	NP_005609.3
NCBI Official Full Name	delta-like protein 1
NCBI Official Synonym Full Names	delta like canonical Notch ligand 1
NCBI Official Symbol	DLL1
NCBI Official Synonym Symbols	DL1; Delta; DELTA1
UniProt Protein Name	Delta-like protein 1
UniProt Synonym Protein Names	Drosophila Delta homolog 1
Protein Family	Delta-like protein
UniProt Gene Name	DLL1
UniProt Synonym Gene Names	Delta1; H-Delta-1
UniProt Entry Name	DLL1_HUMAN
NCBI Protein Information	delta-like protein 1
NCBI Summary for DLL1	DLL1 is a human homolog of the Notch Delta ligand and is a member of the delta/serrate/jagged family. It plays a role in mediating cell fate decisions during hematopoiesis. It may play a role in cell-to-cell communication. [provided by RefSeq, Jul 2008]
UniProt Comments for DLL1	DLL1: Acts as a ligand for Notch receptors. Blocks 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. Interacts with Notch receptors. Expressed in heart and pancreas, with lower expression in brain and muscle and almost no expression in placenta, lung, liver and kidney. Protein type: Cell development/differentiation; Membrane protein, integral; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 6q27 Cellular Component: integral to plasma membrane; extracellular region; plasma membrane; cytoplasmic vesicle Molecular Function: protein binding; calcium ion binding; Notch binding Biological Process: regulation of cell adhesion; Notch signaling pathway; negative regulation of myeloid cell differentiation; negative regulation of interleukin-10 production; Notch receptor processing; cell fate determination; compartment specification; somite specification; cell-cell signaling; negative regulation of auditory receptor cell differentiation; hemopoiesis; positive regulation of transcription from RNA polymerase II promoter; heart looping; determination of left/right symmetry; cell differentiation; inner ear development; positive regulation of Notch signaling pathway
Research Articles on DLL1	**1.** DLL1-mediated Notch signaling promotes luminal breast cancer
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