

sDLL4 active protein

sDLL4 protein

CATALOG # AAA75582	HOST Human
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PRODUCT SYNONYMS

sDLL4; sDLL4 protein; sDLL-4 protein; sDLL 4 protein; sDLL 4; Delta-like protein 4; Drosophila Delta homolog 4 protein; sDLL-4; sDLL4 active protein

PRODUCT SPECIFICATIONS

Host	Human
Purity/Purification	> 95% pure
Form/Format	Supplied as a lyophilized powder.
Sequence	Region of sDLL4 protein corresponds to amino acids SGVFQ LQLQEFINER GVLASGRPCE PGCRTFFRVC LKHFQAVVSP GPCTFGTVST PVLGTNSFAV RDDSSGGGRN PLQLPFNFTW PGTFSLIEA WHAPGDDL RP EALPPDALIS KIAIQGSLAV GQNWLLDEQT STLTRLRYSY RVICSDNYYG DNC SRLCKKR NDHFGHYVCQ PDGNLSCLPG WTGEYCQPI CLSGCHEQNG YCSKPAECLC R PGWQGR LCN ECIPHNGCRH GTCSTPWQCT CDEGWGGLFC DQDLNYCTHH SPCKNGATCS NSGQRSYTCT CRPGYTGVC E LELSECDSN PCRNGGSKD QEDGYHCLCP PGYYGLHCEH STLSCADSPC FNGGSCRERN QGANYACECP PNFTGSNCEK KVDRCTSNPC ANGGQCLNRG PSRMCRCPG FTGTYCELHV SDCARNPCAH GGTCHDLENG LMCTCPAGFS GRRCEVRTSI DACASSPCFN RATCYTDLST DTFVCNCPYG FVGSRCFPV GLP.
Sequence Length	685
Protein Type	Recombinant
Biological Significance	Human sDLL4 comprises the extracellular signaling domain of DLL, a member of a structurally-related family of single-pass type I trans-membrane proteins that serve as ligands for Notch receptors. DLL4 functions to specifically activate the Notch-1 and Notch-4 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. Targeted deletion of the DLL4 gene in mice resulted in severe vascular defects and death before birth.
Bioactivity	The sDLL-4, when immobilized at concentrations >1.5 ug/mL will inhibit myogenesis in C2C12 cells.
Endotoxin Levels	Endotoxin level is less than 0.1 ng per ug (1 EU/ug).
Expression System	293 cells
Preparation and Storage	Store at 4 degree C until reconstitution. Following reconstitution aliquot and freeze at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for sDLL4 active protein	Purified recombinant Human sDLL4 protein
Product Categories/Family for sDLL4 active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	9506545
NCBI GeneID	54567

NCBI Accession #	NP_061947.1
NCBI GenBank Nucleotide #	NM_019074.3
UniProt Accession #	Q9NR61 ; Q3KP23 ; Q9NQT9
Molecular Weight	54 kDa
NCBI Official Full Name	delta-like protein 4
NCBI Official Synonym Full Names	delta-like 4 (Drosophila)
NCBI Official Symbol	DLL4
NCBI Official Synonym Symbols	hdelta2
NCBI Protein Information	delta-like protein 4
UniProt Protein Name	Delta-like protein 4
UniProt Gene Name	DLL4
UniProt Synonym Gene Names	Delta4
UniProt Entry Name	DLL4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-active-protein/sdll4/75582>