

Recombinant Human DLL4

Cat. No. DLL4-26674TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 27-524 of Human DLL4 expressed in 293 cells; 498 amino acids, 54.0 kDa.
Species	Human
ProteinLength	27-524 a.a.
Description	This gene is a homolog of the Drosophila delta gene. The delta gene family encodes Notch ligands that are characterized by a DSL domain, EGF repeats, and a transmembrane domain.
Tissue specificity	Expressed in vascular endothelium.
Biological activity	Biological Activity :DLL4-26674TH, when immobilized at concentrations >1.5 µg/mL will inhibit myogenesis in C2C12 cells.
Form	Lyophilised:Reconstituted DLL4-26674TH is stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. Avoid repeated freeze/thaw cycles.
Purity	>95% by SDS-PAGE
Storage	Store at -20°C. Stable for 12 months at -20°C
Sequences of amino acids	SGVFQLQLQE FINERGVLAS GRPCEPGCRT FFRVCLKHFQ AVVSPGPCTF GTVSTPVLGT NSFVRRDDSS GGGRNPLQLP FNFTWPGTFS LIIEAWHAPG

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DDL RPEALPP DALISKIAIQ GSLAVGQNW LDEQTSTLTR LRYSYRVICS
 DNYYGDNCSR LCKKRNDHFG HYVCQPDGNL SCLPGWTGEY CQQPICLSGC
 HEQNGYCSKP AECLCRPGWQ GRLCNECIPH NGCRHGTCTST PWQCTCDEGW
 GGLFCDQDLN YCTHHSPCKN GATCSNSGQR SYTCTCRPGY TGVDCELELS
 ECDSNPCRNG GSCKDQEDGY HCLCPPGYG LHCEHSTLSC ADSPCFNGGS
 CRERNQGANY ACECPPNFTG SNCEKKVDRC TSNPCANGGQ CLNRGPSRMC
 RCRPGFTGTY CELHVSDCAR NPCAHGGTCH DLENGLMCTC PAGFSGRRCE
 VRTSIDACAS SPCFNATCY TDLSTDTFVC NCPYGFVGSR CEFVGLP

Sequence
Similarities


Contains 1 DSL domain. Contains 8 EGF-like domains.

GENE INFORMATION

Gene Name	DLL4 delta-like 4 (Drosophila) [Homo sapiens]
Official Symbol	DLL4
Synonyms	DLL4; delta-like 4 (Drosophila); delta like 4 homolog (Drosophila); delta-like protein 4;
Gene ID	54567
mRNA Refseq	NM_019074
Protein Refseq	NP_061947
MIM	605185
Uniprot ID	Q9NR61
Chromosome Location	15q14

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Pathway

Delta-Notch Signaling Pathway, organism-specific biosystem; Notch receptor binds with a ligand, organism-specific biosystem; Notch signaling pathway, organism-specific biosystem; Notch signaling pathway, organism-specific biosystem; Notch signaling pathway, conserved biosystem;

Function

Notch binding; calcium ion binding;

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