

Recombinant Mouse DLL4 protein, His-tagged

Cat. No. DLL4-70M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse DLL4, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Mouse
Source	Insect Cells
Description	DLL4, also known as delta-like protein 4, is involved in the Notch signaling pathway as Notch ligand. Therefore it negatively regulates endothelial cell proliferation and migration and angiogenic sprouting. Essential for retinal progenitor proliferation is required for suppressing rod fates in late retinal progenitors as well as for proper generation of other retinal cell types. During spinal cord neurogenesis, it inhibits V2a interneuron fate.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	55.8kDa (512aa)50-70kDa (SDS-PAGE under reducing conditions)
AA Sequence	GSGIFQLRLQ EFVNQRGMLA NGQSCEPGCR TFFRICLKHF QATFSEGPCT FGNVSTPVLG TNSFVVRDKN SGSGRNPLQL PFNFTWPGTFSLNIQAWHTP GDDLRPETSP GNSLISQIII QGSLAVGKIW RTDEQNDTLT RLSYSYRVIC SDNYYGESCS RLCKKRDDHF GHYECQPDGSLSCLPGWTGK YCDQPICLSG CHEQNGYCSK PDECICRPGW QGRLCNECIP HNGCRHGTCS IPWQCACDEG WGGLFCDQDL NYCTHHSPCKNGSTCSNSGP KGYTCTCLPG YTGEHCELGL SKCASNPCRN GGSCKDQENS YHCLCPPGYG GQHCEHSTLT CADSPCFNGG

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SCRERNQGSSYACECPPNFT GSNCEKKVDR CTSNPCANGG QCQNRGPSRT
 CRCRPGFTGT HCELHISDCA RSPCAHGGTC HDLENGPVCT
 CPAGFSGRRCEVRITHDACA SGPCFNGATC YTGLSPNNFV CNCPYGFVGS
 RCEFPVGLPP SFPWVAHHHH HH

Endotoxin < 1.0 EU per 1 microgram of protein (determined by LAL method)

Purity >95% by SDS – PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 1mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name [DII4 delta-like 4 \(Drosophila\)](#) [[Mus musculus](#)]

Official Symbol [DII4](#)

Synonyms DLL4; delta-like 4 (Drosophila); delta-like protein 4; drosophila Delta homolog 4; Delta4;

Gene ID [54485](#)

mRNA Refseq [NM_019454](#)

Protein Refseq [NP_062327](#)

MIM

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UniProt ID	
Pathway	Delta-Notch Signaling Pathway, organism-specific biosystem; Notch Signaling Pathway, organism-specific biosystem; Notch signaling pathway, organism-specific biosystem; Notch signaling pathway, conserved biosystem; Signal Transduction, organism-specific biosystem; Signaling by NOTCH, organism-specific biosystem; Signaling by NOTCH2, organism-specific biosystem;
Function	Notch binding; calcium ion binding; protein binding;

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