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**Product Data Sheet**


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Product Name: DLL4 Mouse  
 Cat. No.: GP23327  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Delta-like protein 4; Drosophila Delta homolog 4; Delta 4; Dll4.		
Amino Acid Sequence	<p>GSGIFQLRLQ EFVNQRGMLA NGQSCEPGCR TFFRICLKHF QATFSEGPCT          FGNVSTPVLG TNSFVVRDKN SGSGRNPLQL PFNFTWPGTF SLNIQAWHTP          GDDLRPETSP GNSLISQIII QGSLAVGKIW RTDEQNDTLT RLSYSYRVIC          SDNYYGESCS RLCKKRDDHF GHYECQPDGS LSCLPGWTGK YCDQPICLSG          CHEQNGYCSK PDECICRPGW QGRLCNECIP HNGCRHGTCS IPWQCACDEG          WGGLFCDQDL NYCTHHSPCK NGSTCSNSGP KGYTCTCLPG YTGEHCELGL          SKCASNPCRN GGSCKDQENS YHCLCPPGY YQHCEHSTLT CADSPCFNGG          SCRERNQGSS YACECPPNFT GSNCEKKVDR CTSNPCANGG QCQNRGPSRT          CRCRPGFTGT HCELHISDCA RSPCAHGGTC HDLENGPVCT CPAGFSGRRC          EVRITHDACA SGPCFNGATC YTGLSPNNFV CNCYPYGFVGS RCEFPVGLPP          SFPWVAHHHH HH</p>		
Formulation	DLL4 protein solution (1mg/ml) contains Phosphate buffered saline (pH7.4) and 10% glycerol.		

**Introduction**

Delta-Like4, also known as DLL4 is implicated in the Notch signaling pathway as Notch ligand. Consequently DLL4 negatively regulates endothelial cell proliferation, migration as well as angiogenic sprouting. DLL4 is vital for retinal progenitor proliferation and also required for suppressing rod fates in late retinal progenitors and for proper generation of other retinal cell types. Furthermore, at some stage in the spinal cord neurogenesis, DLL4 inhibits V2a interneuron fate.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

**Caution: Product has not been fully validated for medical applications. For research use only.**

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

DLL4 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain (27-532 a.a.) and fused to a 6 aa His Tag at C-terminus containing a total of 512 amino acids and having a molecular mass of 55.8kDa. DLL4 shows multiple bands between 50-70kDa on SDS-PAGE, reducing conditions and purified by proprietary chromatographic techniques.

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