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Recombinant mouse DLL4 protein

Catalog Number: ATGP3187

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
27-532aa

UniProt No.
Q9JI71

NCBI Accession No.
NP_062327

Alternative Names
Dll4, Delta4

PRODUCT SPECIFICATION

Molecular Weight
55.8 kDa (512aa)

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

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 95% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Recombinant mouse DLL4, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

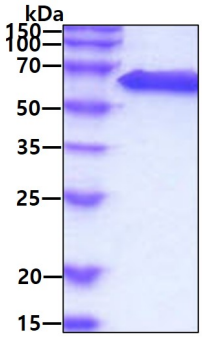
GSGIFQLRLQ EFVNQRGMLA NGQSCEPGCR TFFRICLKHF QATFSEGPCT FGNVSTPVLG TNSFVVRDKN SGSGRNPLQL PFNFTWPGTF SLNIQAWHTP GDDLRPETSP GNSLISQIII QGSLAVGKIW RTDEQNDTLT RLSYSYRVIC SDNYYGESCS RLCKKRDDHF GHYECQPDGS LSCLPGWTGK YCDQPICLSG CHEQNGYCSK PDECICRPGW QGRLCNECIP HNGCRHGTCS IPWQCACDEG WGGLFCDQDL NYCTHHSPCK NGSTCSNSGP KGYTCTCLPG YTGEHCELGL SKCASNPCRN GGSCKDQENS YHCLCPPGYY GQHCEHSTLT CADSPCFNGG SCRERNQGSS YACECPPNFT GSNCEKKVDR CTSNPCANGG QCQNRGPSRT CRCRPGFTGT HCELHISDCA RSPCAHGGTC HDLENGPVCT CPAGFSGRRC EVRITHDACA SGPCFNGATC YTGLSPNNFV CNCPYGFVGS RCEFPVGLPP SFPWVA<HHHH HH>

General References

Luo H., et al. (2011) Proc Natl Acad Sci U S A. 109:E553-E562.
John R. Shutter., et al. (2000) Genes Dev. 14:1313-1318.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.