

Delta-like protein 3/DLL3 Protein, Human (P.pastoris, His)

Cat. No.:	HY-P71852
Synonyms:	Delta Drosophila like 3; Delta like 3 Drosophila; Delta like 3 homolog Drosophila; Delta like 3 protein; Delta like protein 3 precursor; SCOD1; SCOD1
Species:	Human
Source:	P. pastoris
Accession:	Q9NYJ7-1 (A27-L492)
Gene ID:	10683
Molecular Weight:	Approximately 56 kDa

PROPERTIES

AA Sequence

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AGVFELQIHS   FGP GPGPGAP   RSPCSARLPC   RLFFRVCLKP
GLSEEAESP    CALGAALSAR    GPVYTEQPGA   PAPDLPLPDG
LLQVPFRDAW   PGTFSFI IET   WREELGDQIG   GPAWSLLARV
AGRRRLAAGG   PWARDIQRAG    AWELRFSYRA   RCEPPAVGTA
CTRLCRPRSA   PSRCGPGLRP    CAPLEDECEA   PLVCRAGCSP
EHGFCEQPGE   CRCLEGWTGP    LCTVPVSTSS   CLSPRGPSSA
TTGCLVPGPG   PCDGNPCANG    GSCSETPRSF   ECTCPRGFYG
LRCEVSGVTC   ADGPFCFNGGL   CVGGADPDSA   YICHCPPGFQ
GSNCEKRVDR   CSLQPCRNGG    LCLDLGHALR   CRCRAGFAGP
RCEHDLDDCA   GRACANGGTC    VEGGGAHRCS   CALGFGGRDC
RERADPCAAR   PCAHGRCYA     HFSGLVCACA   PGYMGARCEF
PVHPDGASAL   PAAPPGLRPG    DPQRYL
  
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Appearance

Lyophilized powder.

Formulation

Lyophilized after extensive dialysis against solution in 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0.

Endotoxin Level

<1 EU/μg, determined by LAL method.

Reconstitution

It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH₂O.

Storage & Stability

Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping

Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

Delta-like protein 3/DLL3 emerges as a key regulator in the intricate landscape of neurogenesis and cellular differentiation.

Acting as an inhibitor of primary neurogenesis, DLL3 is believed to play a crucial role in steering neurons along specific differentiation pathways. Its involvement extends beyond neurogenesis, contributing to the formation of somite boundaries during the segmentation of the paraxial mesoderm. Notably, DLL3 exhibits the capability to bind and activate Notch-1 or other Notch receptors, underscoring its significance in orchestrating cellular processes that govern developmental pathways and cellular fate determination.

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

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