

## Delta-like protein 3/DLL3 Protein, Human (HEK293, His)

Cat. No.:	HY-P700456
Synonyms:	SCDO1; DLL3; delta like canonical Notch ligand 3; Drosophila Delta homolog 3 ; Delta3
Species:	Human
Source:	HEK293
Accession:	Q9NYJ7 (A27-L492)
Gene ID:	10683
Molecular Weight:	53 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> 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    ECTCPRGFYQ LRCEVSGVTC   ADGP CFNGGL   CVGGADPDSA    YICHCPPGFQ GSNCEKRVDR   CSLQPCRNGG    LCLDLGHALR    CRCRAGFAGP RCEHDLDDCA   GRACANGGTC    VEGGGAHRCS    CALGFGGRDC RERADPCAAR   PCAHGRCYA     HFSGLVCACA    PGYMGARCEF PVHPDGASAL   PAAPPGLRPG    DPQRYL           </pre>
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized DLL3 at 2 µg/mL can bind Anti-DLL3 Recombinant Antibody, the EC <sub>50</sub> is 1-15 ng/mL.
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

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## 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.

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

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