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; SCDO1; SCOD1
Species:	Human
Source:	P. pastoris
Accession:	Q9NYJ7 (A27-L492)
Gene ID:	10683
Molecular Weight:	Approximately 56 kDa

PROPERTIES

AA Sequence	A G V F E L Q I H S F G P G P G P G A P R S P C S A R L P C R L F F R V C L K P G L S E E A A E S P C A L G A A L S A R G P V Y T E Q P G A P A P D L P L P D G L L Q V P F R D A W P G T F S F I I E T W R E E L G D Q I G G P A W S L L A R V A G R R R L A A G G P W A R D I Q R A G A W E L R F S Y R A R C E P P A V G T A C T R L C R P R S A P S R C G P G L R P C A P L E D E C E A P L V C R A G C S P E H G F C E Q P G E C R C L E G W T G P L C T V P V S T S S C L S P R G P S S A T T G C L V P G P G P C D G N P C A N G G S C S E T P R S F E C T C P R G F Y G L R C E V S G V T C A D G P C F N G G L C V G G A D P D S A Y I C H C P P G F Q G S N C E K R V D R C S L Q P C R N G G L C L D L G H A L R C R C R A G F A G P R C E H D L D D C A G R A C A N G G T C V E G G G A H R C S C A L G F G G R D C R E R A D P C A A R P C A H G G R C Y A H F S G L V C A C A P G Y M G A R C E F P V H P D G A S A L P A A P P G L R P G D P Q R Y L
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in 20 mM Tris-HC1, 0.5 M NaCl, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
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.

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