

DLK-1 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P77915
Synonyms:	pG2; FA1; DLK; DLK1; DLK-1; Pref1; secretelin; ZOG
Species:	Mouse
Source:	HEK293
Accession:	Q09163 (A24-Q305)
Gene ID:	13386
Molecular Weight:	50-68 kDa

PROPERTIES

AA Sequence	<pre> A E C D P P C D P Q Y G F C E A D N V C R C H V G W E G P L C D K C V T A P G C V N G V C K E P W Q C I C K D G W D G K F C E I D V R A C T S T P C A N N G T C V D L E K G Q Y E C S C T P G F S G K D C Q H K A G P C V I N G S P C Q H G G A C V D D E G Q A S H A S C L C P P G F S G N F C E I V A A T N S C T P N P C E N D G V C T D I G G D F R C R C P A G F V D K T C S R P V S N C A S G P C Q N G G T C L Q H T Q V S F E C L C K P P F M G P T C A K K R G A S P V Q V T H L P S G Y G L T Y R L T P G V H E L P V Q Q P E Q H I L K V S M K E L N K S T P L L T E G Q </pre>
Biological Activity	Immobilized Mouse DLK-1 at 1 µg/mL (100 µL/well) can bind Anti-DLK1 Antibody. The ED ₅₀ for this effect is 266.5 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4 (Normally 5% trehalose is added as protectant before lyophilization.) or 20 mM PB, 150 mM NaCl, 5% Trehalose, pH 7.4.
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 ddH ₂ O.
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	The DLK-1 protein is implicated in potential roles related to neuroendocrine differentiation, indicating its involvement in the complex processes governing cellular specialization. Moreover, it functions as an inhibitor of adipocyte differentiation,
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suggesting a regulatory role in adipogenesis. Structurally, DLK-1 exists as a monomer, highlighting its singular molecular composition in these physiological processes. Additionally, the protein interacts with SH3RF2, emphasizing its engagement with other cellular components and potential regulatory pathways, as inferred by similarity.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA