# DLK-1 Protein, Human (S260N, HEK293, His)

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| **Cat. No.:** | HY-P70138 |
| **Synonyms:** | rHuDelta-like 1 homolog/DLK-1, His; Protein Delta Homolog 1; DLK-1; pG2; DLK1; DLK |
| **Species:** | Human |
| **Source:** | HEK293 |
| **Accession:** | AAH13197.1 (A24-P297, S260N) |
| **Gene ID:** | 8788 |
| **Molecular Weight:** | 35-45 kDa |

## PROPERTIES

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| **AA Sequence** | A E C F P A C N P Q N G F C E D D N V C R C Q P G W Q G P L C D Q C V T S P G C<br>L H G L C G E P G Q C I C T D G W D G E L C D R D V R A C S S A P C A N N G T C<br>V S L D D G L Y E C S C A P G Y S G K D C Q K K D G P C V I N G S P C Q H G G T<br>C V D D E G R A S H A S C L C P P G F S G N F C E I V A N S C T P N P C E N D G<br>V C T D I G G D F R C R C P A G F I D K T C S R P V T N C A S S P C Q N G G T C<br>L Q H T Q V S Y E C L C K P E F T G L T C V K K R A L S P Q Q V T R L P S G Y G<br>L A Y R L T P G V H E L P V Q Q P E H R I L K V S M K E L N K K T P |
| **Appearance** | Lyophilized powder. |
| **Formulation** | Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4. |
| **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 $ddH_2O$. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose). |
| **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

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| **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, 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.**

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