

Recombinant Rat DLK1 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52216

Size: 10ug, 100ug

Protein Name: Protein delta homolog 1 (DLK-1) (Preadipocyte factor 1) (Pref-1) [Cleaved into: Fetal antigen 1 (FA1)]

Synonym: Dlk1, Dlk, Pref1, Zog

UniProt ID: O70534

UniProt Link: www.uniprot.org/uniprotkb/O70534/entry

Species Source: Rat

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 383 AA

Molecular Weight: 41 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MIATGALLRVLLLLLAFGHSTYGAECDPACDPQHGFCEADNVCRCEPGWEGPLCEKCVTSPGCVN
GLCEEPWQCVCKEGWGDKFCEIDIRACTSTPCANNGTCDLEKGGQYECSTPGFSGKDCQHKAGP
CVINGSPCQHGGACVDDEGRASHASCLCPPGFSGNFCEIVTNSCTPNPCENDGVCTDIGGDFRCR
CPAGFVDKTC SRPVSNCASGPCLNGGTCLQHTQVSFECLCKPPFMGPTCAKKRGTSPVQVTHLPS
GYGLTYRLTPGVHELPPVQQPEHHILKVS MKELNKSAPLLTEGQAICFTILGVLTSLVVLGTVAIVFLNK
CEAWVSNLRYNHMLRKKKNLLLQYNSGEELAVNIIFPEKIDMTTFNKEAGDEDI

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Protein delta homolog 1 (DLK-1) (Preadipocyte factor 1) (Pref-1) [Cleaved into: Fetal antigen 1 (FA1)] produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: May have a role in neuroendocrine differentiation. Inhibits adipocyte differentiation.

Subcellular Localization: Membrane ; Single-pass type I membrane protein. Cytoplasm .

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.