



Recombinant Mouse PDK4 Protein Product Manual

1. Product Basic Information

Product No.: REP07759

Protein Name: Pyruvate Dehydrogenase Kinase Pyruvate Dehydrogenase Kinase, Isozyme Pyruvate Dehydrogenase Kinase, Isoenzyme Pyruvate Dehydrogenase, Lipoamide, Kinase Isozyme 4, Mitochondrial (PDK4)

Aliases: pyruvate dehydrogenase kinase pyruvate dehydrogenase kinase, isozyme pyruvate dehydrogenase kinase, isoenzyme pyruvate dehydrogenase, lipoamide, kinase isozyme 4, mitochondrial

UniProt ID: Q16654

UniProt Link: <https://www.uniprot.org/uniprotkb/Q16654/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Partial (138-368aa)

Molecular Weight: 30.0 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (138-368aa)

ILEYKDTCTVDPVTNQNQLQYFLDRFYMNRISTRMLMNQHILIFSDSKTGNPSHIGSID
PNCDVVAVVQDAFECAMLCQYYLTSPENLNTQVNGKFPGQPIHIVYVPSHLHHM
LFELFKNAMRATVEHQENRPSLTPVEATVVLGKEDLTIKISDRGGGVPLRITDRLFSY
TYSTAPTPVMDNSRNAPLAGFGYGLPISRLYAKYFQGDLNLYSMSGYGTDAIYLLKA
LS

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions



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Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Mouse PDK4 partial protein (138-368aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. PDK4, also known as pyruvate dehydrogenase kinase pyruvate dehydrogenase kinase, isozyme pyruvate dehydrogenase kinase, isoenzyme pyruvate dehydrogenase, lipoamide, kinase isozyme 4, mitochondrial, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.