

Recombinant Human PDK1 Protein Product Manual

1. Product Basic Information

Product No.: REP07757

Protein Name: Pdh Kinase Pyruvate Dehydrogenase Kinase Pyruvate Dehydrogenase Kinase, Isoenzyme Mitochondrial Pyruvate Dehydrogenase, Lipoamide, Kinase Isoenzyme Pyruvate Dehydrogenase (Acetyl-Transferring) Kinase Isozyme 1, Mitochondrial (PDK1)

Aliases: PDH kinase pyruvate dehydrogenase kinase pyruvate dehydrogenase kinase, isoenzyme mitochondrial pyruvate dehydrogenase, lipoamide, kinase isoenzyme pyruvate dehydrogenase (acetyl-transferring) kinase ...

UniProt ID: Q15118

UniProt Link: <https://www.uniprot.org/uniprotkb/Q15118/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (29-436aa)

Molecular Weight: 53.5 kDa

Protein Tag: C-terminal Flag-tagged

2. Amino Acid Sequence (29-436aa)

SSDSGSSPASERGVPGQVDFYARFSPSPLSMKQFLDFGSVNACEKTSFMFLRQEL
PVRLANIMKEISLLPDNLLRTPSVQLVQSWYIQSLQELLDFKDKSAEDAKAIYDFTDT
VIRIRNRHNDVIPTMAQGVIEYKESFGVDPVTSQNVQYFLDRFYMSRISIRMLLNQHS
LLFGGKKGKSPSHRKHIGSINPNCNVLEVIKDG YENARRLCDLYYINSPELELEELNA
KSPGQPIQVVYVPSHLYHMFELFKNAMRATMEHHANRGVYPPIQVHVTLGNEDLT
VKMSDRGGGVPLRKIDRLFNYMYSTAPRPRVETSRAVPLAGFGYGLPISRLYAQYF
QGDLKLYSLEGYGTDAVIYIKALSTDSIERLPVYNKAAWKHYNTNHEADDWCVPSR
EPKDMTTFRSA

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements)



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

4. Storage Conditions

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 Human PDK1 full length of mature protein protein (29-436aa) expressed in E.coli. The protein is with Flag tag at the C-terminus, which facilitates protein purification, detection and identification. PDK1, also known as PDH kinase pyruvate dehydrogenase kinase pyruvate dehydrogenase kinase, isoenzyme mitochondrial pyruvate dehydrogenase, lipoamide, kinase isoenzyme pyruvate dehydrogenase (acetyl-transferring) kinase isozyme 1, 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.