



Human PDK-1

Synonyms: Pyruvate dehydrogenase kinase isoform 1, PDK1, Pyruvate dehydrogenase (lipoamide) kinase isozyme 1 mitochondrial.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order#	Lot#	Expiry Date
10 µg	4034.950.010		
50 µg	4034.950.050		
1 mg	4034.950.199		

Please enquire for bulk quantities and other vial sizes.

Description

PDK1 Human Recombinant produced in *E.Coli* is a single, non-glycosylated, polypeptide chain containing 429 amino acids (29-436) and having a molecular mass of 48.6 kDa. PDK1 is fused to 20 a.a. His-Tag at N-terminus.

- **Source** *E. coli*
- **Purity** ≥ 95 % (SDS-PAGE)
- **Buffer** PDK1 solution containing 20 mM Tris pH -7, 0.5 mM DTT, 0.1 M NaCl, 0.1 mM EDTA 0.1 mM PMSF, 1 mM MgCl₂ and 40 % glycerol*
- **Physical State** Sterile filtered colorless solution

Stability

PDK1 Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze-thaw cycles.

Amino Acid Sequence

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MGSSHHHHH SSGLVPRGSH MSSDSGSSPA SERGVPGQVD FYARFSPSPL SMKQFLDFGS VNACEKTSFM
FLRQELPVRL ANIMKEISLL PDNLLRTPSV QLVQSWYIQS LQELDFKDK SAEDAKAIYD FTDTVIRIRN
RHNDVIPTMA QGVIEYKESF GVDPVTSQNV QYFLDRFYMS RISIRMLLNQ HSLLFGGK GK GSPSHRKHIG
SINPNCNVLE VIKDGYENAR RLCDLYYINS PELELEELNA KSPGQPIQVV YVPSHLYH MV FELFKNAMRA
TMEHHANRGV YPPIQVHVT L GNEDLTVKMS DRGGGVPLRK IDRLFNMY S TAPRPRVETS RAVPLAGFGY
GLPISRLYAQ YFQGDLKLYS LEGYGTDAVI YIKALSTDSI ERLPVYNKAA WKHYNTNHEA DDWCVPSREP
KDMTTFRSA
  
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Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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