

Pyruvate Dehydrogenase Kinase Isozyme 1 Human Recombinant

Item Number	rAP-1720
Synonyms	Pyruvate dehydrogenase kinase isoform 1, PDK1, Pyruvate dehydrogenase (lipoamide) kinase isozyme 1 mitochondrial.
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 and purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q15118
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MSSDSGSSPA SERGVPGQVD FYARFSPSPL SMKQFLDFGS VNACEKTSFM FLRQELPVRL ANIMKEISLLPDNLLRTPSV QLVQSWYIQS LQELDFKDK SAEDAKAIYD FTDVTIRIRN RHNDVIPTMA QGVIEYKESF GVDPVTSQNV QYFLDRFYMS RISIRMLLNQ HSLLFGGKGK GSPSHRKHIG SINPNCNVLE VIKDGYENAR RLCDLYYINS PELELEELNA KSPGQPIQVV YVPSHLYHMFELFKNAMRA TMEHHANRGV YPPIQVHVTL GNEDLTVKMS DRGGGVPLRK IDRLFNYMYS TAPRPRVETS RAVPLAGFGY GLPISRLYAQ YFQGDLKLYS LEGYGTDAVI YIKALSTDSI ERLPVYNKAA WKHYNTNHEA DDWCVPSPREP KDMTTFRSA.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. PDK1 Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.
Formulation and Purity	PDK1 solution containing 20mM Tris pH-7, 0.5mM DTT, 0.1M NaCl, 0.1mM EDTA 0.1mM PMSF, 1mM MgCl ₂ and 40% glycerol. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**