

Phosphoglycerate Kinase 1 Mouse Recombinant

Item Number	rAP-1665
Synonyms	Phosphoglycerate kinase 1 (EC:2.7.2.3), Pgk1, Pgk-1.
Description	PGK1 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 441 amino acids (1-417 a.a) and having a molecular mass of 47.1kDa.PGK1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P09411
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSLSNLTLDKLDVKG KRVVMRVDFN VPMKNNQITN NQRI- KAAVPS IKFCLDNGAK SVVLMShLGR PDGVPMPDKY SLEPVAAELK SLLGKDVLFLL KDCVGPEVEN ACANPAAGTV ILLENLRFHV EEEGKGKDAS GNKVKAEPK IDAFRASLSK LGDVYVND AF GTAH- RAHSSM VGVNLPQKAG GFLMKKELNY FAKALES PER PFLAILGGAK VADKIQLINN MLDKVNEMII GGGMAFTFLK VLNNMEIGTS LYDEEGAKIV KDLMSKAEKN GVKITLPVDF VTADKFDENA KTGQAT- VASG IPAGWMGLDC GTESSKKYAE AVGRAKQIVW NGPVGVFWE AFARGTKSLM DEVVKATSRG CITIIGGGDT ATCCAKWNT DKVSHVSTGG GASLELLEGGK VLPGVDA LSN V.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please avoid freeze thaw cycles.
Formulation and Purity	PGK1 protein solution (1mg/ml) containing Phosphate buffered saline (pH7.4), 10% glycerol and 1mM DTT. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Specific activity: > 500 units/mg. One unit will convert 1 umole of 1,3-Bisphosphoglycerate to 3-PGA per minute at pH 8.0 at 37°C.
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**