

## Phosphoglycerate Kinase 1 Mouse Recombinant

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| <b>Item Number</b>                       | rAP-1665   |
| <b>Synonyms</b>                          | Phosphoglycerate kinase 1 (EC:2.7.2.3), Pgk1, Pgk-1.   |
| <b>Description</b>                       | 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.   |
| <b>Uniprot Accesion Number</b>           | P09411   |
| <b>Amino Acid Sequence</b>               | MGSSHHHHHH SSGLVPRGSH MGSHMSLSNK LTLDKLDVKG KRVVMRVDFN VPMKNNQITN NQRI-KAAVPS IKFCLDNAGK SVVLMMSHLGR PDGVPMPDKY SLEPVAAELK SLLGKDVLFL KDCVGPEVEN ACANPAAGTV ILLENLRFHV EEEGKGKDAS GNKVKAEPAK IDAFRASLSK LGDVYVNDAF GTAH-RAHSSM VGVNLNPQKAG GFLMKKELNY FAKALESPER PFLAILGGAK VADKIQLINN MLDKVNEMII GGGMAFTFLK VLNNMEIGTS LYDEEGAKIV KDLMSKAEKN GVKITLPVDF VTADKFDENA KTGQAT-VASG IPAGWMGLDC GTESSKKYAE AVGRAKQIVW NGPVGVFEWE AFARGTKSLM DEVVKATSRG CITIIGGGDT ATCCAKWNT E DKVSHVSTGG GASLELLEGK VLPGVDALSN V. |
| <b>Source</b>                            | Escherichia Coli.  |
| <b>Physical Appearance and Stability</b> | 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.  |
| <b>Formulation and Purity</b>            | PGK1 protein solution (1mg/ml) containing Phosphate buffered saline (pH7.4), 10% glycerol and 1mM DTT. Greater than 90% as determined by SDS-PAGE.   |
| <b>Application</b>                       |  |
| <b>Solubility</b>                        |  |
| <b>Biological Activity</b>               | 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.   |
| <b>Shipping Format and Condition</b>     | 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**