32-3076: PGK2 Recombinant Protein

Alternative Name : Phosphoglycerate kinase 2,Phosphoglycerate kinase testis specific,PGK2,PGKB,PGKPS,dJ417L20.2.

Description

Source : Escherichia Coli. PGK2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 437 amino acids (1-417 a.a.) and having a molecular mass of 46.9kDa.PGK2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. PGK2 is a testis-specific form of phosphoglycerate kinase. Originally presumed to be a pseudogene, the PGK2 protein is actually a functional phosphoglycerate kinase which catalyzes the reversible conversion of 1,3-bisphosphoglycerate to 3-phosphoglycerate, during the Embden-Meyerhof-Parnas pathway of glycolysis, in the later stages of spermatogenesis. The PGK2 gene is intronless, results from retrotransposition of the phosphoglycerate kinase 1 gene, and is expressed specifically in the testis.

Product Info

Amount :	10 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	PGK2 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 1mM DTT and 0.1M NaCl.
Storage condition :	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).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MSLSKKLTLD KLDVRGKRVI MRVDFNVPMK KNQITNNQRI KASIPSIKYC LDNGAKAVVL MSHLGRPDGV PMPDKYSLAP VAVELKSLLG KDVLFLKDCV GAEVEKACAN PAPGSVILLE NLRFHVEEEG KGQDPSGKKI KAEPDKIEAF RASLSKLGDV YVNDAFGTAH RAHSSMVGVN LPHKASGFLM KKELDYFAKA LENPVRPFLA ILGGAKVADK IQLIKNMLDK VNEMIIGGGM AYTFLKVLNN MEIGASLFDE EGAKIVKDIM AKAQKNGVRI TFPVDFVTGD KFDENAQVGK ATVASGISPG WMGLDCGPES NKNHAQVVAQ ARLIVWNGPL GVFEWDAFAK GTKALMDEIV KATSKGCITV IGGGDTATCC AKWNTEDKVS HVSTGGGASL ELLEGKILPG VEALSNM.