

Phosphoglycerate Kinase 1 Human Recombinant

Item Number	rAP-1744
Synonyms	Phosphoglycerate kinase 1, Primer recognition protein 2, Cell migration-inducing gene 10 protein, PRP 2, PGKA, MIG10, MGC8947, MGC117307, MGC142128, PGK1.
Description	PGK1 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 46.8kDa. PGK1 is fused to 20 a.a. His-Tag at N-terminus and purified by proprietary chromatographic techniques.
Uniprot Accession Number	P00558
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MSLSNKLTLD KLDVKGKRVV MRVDFNVPMK NNQITNNQRI KAAVPSIKFC LDNGAKSVVL MSHLGRPDGV PMPDKYSLEP VAVELKSLLG KDVLFLKDCV GPEVEKACAN PAAGSVILLE NLRFHVEEEG KGKDASGNKV KAEPAKIEAF RASLSKLGDV YVNDAF- GTAH RAHSSMVGVN LPQKAGGFLM KKELNYFAKA LESPERPFLA ILGGAKVADK IQLINNMLDK VNEMIIGGGM AFTFLKVLNN MEIGTSLFDE EGAKIVKDLM SKAEKNGVKI TLPVDFVTAD KFDENAKTGG ATVASGIPAG WMGLDCGPES SKKYAEAVTR AKQIVWNGPV GVFEWEAFAR GTKALMDEVV KATSRGCITI IGGGDTATCC AKWNTEDKVS HVSTGGGASL ELLEGKVLPG VDALSNI.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. PGK1 although stable at 4°C for 1 week, should be stored below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze thaw cycles.
Formulation and Purity	The PGK1 solution containing 20mM Tris (pH 8.0), 10% Glycerol and 1mM DTT. 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**