

Recombinant Human PGK1 protein, His-tagged

Cat. No. PGK1-192H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PGK1(Ser2-Ile417) fused with His tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Ser2-Ile417
Description	PGK1 is called phosphoglycerate kinase that involved in a critical energy-producing process known as glycolysis. Phosphoglycerate kinase helps carry out a chemical reaction that converts a molecule called 1,3-diphosphoglycerate, which is produced during the breakdown of glucose, to another molecule called 3-phosphoglycerate during glycolysis. PGK1 The encoded protein may also act as a cofactor for polymerase alpha. The protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions.
Form	Supplied as a 0.2 µm filtered solution of 20mM Tris,150mM NaCl,20% glycerol, pH 8.0.
AA Sequence	SLSNKLTLDKLDVKGKRVVMRVDNFNPMKNNQITNNQRIKAAVPSIKFCLDNGAKSV VLMSHLGR PDGVPMPPDKYSLEPVAVELKSLLGKDVFLKDCVGPEVEKACANPAA GSVILLENLRFHVEEEGK GKDASGNKVKAEPKIEAFRASLSKLGDVYVNDADFSTA RAHSSMVGVNLPQKAGGFLMKKELNY FAKALESPPFLAILGGAKVADKIQILINNM LDKVNEMIIGGGMAFTFLKVLNNMEIGTSLFDEE GAKIVKDLMSKAENGVKITLPVD

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

FVTADKFDENAKTGQATVASGIPAGWMGLDCGPESKKYAE AVTRAKQIVWNGPV
GVFEWEAFARGTKALMDEVVKATSRGCITIIGGGDTATCCAKWNTEDKVSH VSTGG
GASLELLEGKVLPGVDALSNILDHHHHHH

Endotoxin Less than 0.1 ng/g (1 IEU/g) as determined by LAL test.

Purity Greater than 95% as determined by reducing SDS-PAGE.

Storage Store at < -20 centigrade, stable for 6 months after receipt.
Please minimize freeze-thaw cycles.

Shipping The product is shipped on dry ice/ice packs.

GENE INFORMATION

Gene Name [PGK1 phosphoglycerate kinase 1 \[Homo sapiens \]](#)

Official Symbol [PGK1](#)

Synonyms PGK1; phosphoglycerate kinase 1; PRP 2; primer recognition protein 2; cell migration-inducing gene 10 protein; PGKA; MIG10; MGC8947; MGC117307; MGC142128;

Gene ID [5230](#)

mRNA Refseq [NM_000291](#)

Protein Refseq [NP_000282](#)

MIM [311800](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID	P00558
Chromosome Location	Xq13.3
Pathway	Gluconeogenesis, organism-specific biosystem; Gluconeogenesis, oxaloacetate => fructose-6P, organism-specific biosystem; Gluconeogenesis, oxaloacetate => fructose-6P, conserved biosystem; Glucose metabolism, organism-specific biosystem; Glycolysis, organism-specific biosystem;
Function	ATP binding; nucleotide binding; phosphoglycerate kinase activity; phosphoglycerate kinase activity; transferase activity;

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA