

## Recombinant Human PGK1

**Cat. No.** PGK1-30891TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length protein: , corresponding to amino acids 1-417 of Human PGK1
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-417 a.a.
<b>Description</b>	The protein encoded by this gene is a glycolytic enzyme that catalyzes the conversion of 1,3-diphosphoglycerate to 3-phosphoglycerate. The encoded protein may also act as a cofactor for polymerase alpha. This gene lies on the X-chromosome, while a related pseudogene also has been found on the X-chromosome and another on chromosome 19.
<b>Form</b>	Liquid
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 10% Glycerol, 20mM Tris, 1mM DTT, pH 8
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	MGSSHHHHHH SSGLVPRGSH MSLSNKLTLD KLDVKGKRVV MRVDFNVPMK NNQITNNQRI KAAVPSIKFC LDNGAKSVVL MSHLGRPDGV PMPDKYSLEP

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

VAVELKSLLG KDVFLKDCV GPEVEKACAN PAAGSVILLE NLRFHVEEEG  
 KGKDASGNKV KAEPAKIEAF RASLSKLGDV YVNDAFGTAH RAHSSMVGVN  
 LPQKAGGFLM KKELNYFAKA LESPERPFLA ILGGAKVADK IQLINNMLDK  
 VNEMIIGGM AFTFLKVLNN MEIGTSLFDE EGAKIVKDLM SKAEKNGVKI  
 TLPVDFVTAD KFDENAKTGQ ATVASGIPAG WMGLDCGPES SKKYAEAVTR  
 AKQIVWNGPV GVFEWEAFAR GTKALMDEVV KATSRGCITI IGGGDTATCC  
 AKWNTEDKVS HVSTGGGASL ELLEGKVLPG VDALSNI

**Sequence Similarities** Belongs to the phosphoglycerate kinase family.

**Full Length** Full L.

## GENE INFORMATION

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

**Official Symbol** [PGK1](#)

**Synonyms** PGK1; phosphoglycerate kinase 1;

**Gene ID** [5230](#)

**mRNA Refseq** [NM\\_000291](#)

**Protein Refseq** [NP\\_000282](#)

**MIM** [311800](#)

**Uniprot ID** [P00558](#)

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

<b>Chromosome Location</b>	Xq13.3
<b>Pathway</b>	Gluconeogenesis, organism-specific biosystem; Gluconeogenesis, oxaloacetate => fructose-6P, organism-specific biosystem; Gluconeogenesis, oxaloacetate => fructose-6P, conserved biosystem;
<b>Function</b>	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](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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