

Recombinant Human PGK1

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

SPECIFICATION

Product Overview	Recombinant full length protein: , corresponding to amino acids 1-417 of Human PGK1
Species	Human
Source	E.coli
ProteinLength	1-417 a.a.
Description	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.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 10% Glycerol, 20mM Tris, 1mM DTT, pH 8
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MSLSNKLTD KLDVKGKRVV MRVDFNVPMK NNQITNNQRI KAAVPSIKFC LDNGAKSVVL MSHLGRPDGV PMPDKYSLEP

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VAVELKSLLG KDVFLKDCV GPEVEKACAN PAAGSVILLE NLRFHVEEEG
 KGKDASGNKV KAEPKIEAF 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

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

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