Recombinant Human PGK1, His-tagged

Cat. No. PGK1-30893TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 1-409 of Human PGK1 with N terminal His tag. MWt 47kDa;
Species	Human
Source	E.coli
ProteinLength	1-409 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.
Conjugation	HIS
Form	Lyophilised:Reconstitution with 86 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino	(Amino acid sequence (Sequence determined by 5 Sequencing))MSLSNKLTLDKLDV

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acids	KGKRVVMRVDFN VPMKNNQITNNQRIKAAVPSIKFCLDNGAKSVVLMSHL GRPDG VPMPDKYSLEPVAVELKSLLGKDVLFLKDCVGPEV EKACANPAAGSVILLENLRFHV EEEGKGKDASGNKVKA EPAKIEAFRASLSKLGDVYVNDAFGTAHRAHSSMVGVN L PQKAGGFLMKKELNYFAKALESPERPFLAILGGAKVA DKIQLINNMLDKVNEMIIGGG MAFTFLKVLNNMEIGTSLF DEEGAKIVKDLMSKAEKNGVKITLPVDFVTADKFDENA KTGQATVASGIPAGWMGLDCGPESSKKYAEAVTRAKQI VWNGPVGVFEWEAFAR GTKALMDEVVKATSRGCITIIG GGDTATCCAKWNTEDKVSHVSTGGGASLELLEGK VLP
Sequence Similarities	Belongs to the phosphoglycerate kinase family.

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
Chromosome Location	Xq13.3

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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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