

Recombinant Human PGK2, His-tagged

Cat. No. PGK2-361H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the human PGK2 (NP_620061.2) (Ser2-Met417) was expressed with a polyhistide tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	Ser2-Met417
Form	Lyophilized from sterile PBS, pH7.4.
Molecular Mass	The recombinant human PGK2 consists of 434 amino acids and has a calculated molecular mass of 46.9 kDa. The recombinant protein migrates as an approximately 43.5 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>90 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70°C
Storage	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	Hardcopy of COA with reconstitution instruction is sent along with the products.

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GENE INFORMATION

Gene Name	PGK2 phosphoglycerate kinase 2 [Homo sapiens]
Official Symbol	PGK2
Synonyms	PGK2; phosphoglycerate kinase 2; PGK 2; PGKPS; phosphoglycerate kinase, testis specific; phosphoglycerate kinase autosomal pseudogene; PGKB; dJ417L20.2;
Gene ID	5232
mRNA Refseq	NM_138733
Protein Refseq	NP_620061
MIM	172270
UniProt ID	P07205
Chromosome Location	6p21-q12
Pathway	Gluconeogenesis, oxaloacetate =>fructose-6P, organism-specific biosystem; Gluconeogenesis, oxaloacetate => fructose-6P, conserved biosystem; Glycolysis (Embden-Meyerhof pathway), glucose => pyruvate, organism-specific biosystem; Glycolysis (Embden-Meyerhof pathway), glucose =>
Function	ATP binding; nucleotide binding; phosphoglycerate kinase activity; phosphoglycerate kinase activity; transferase activity;

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