Product Name: Recombinant Human PGK1 (C-6His)
Catalog #: PHH1320

Summary

Name	PGK1/PGKA
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Phosphoglycerate Kinase 1 is produced by our Mammalian expression system and the target gene encoding Ser2-Ile417 is expressed with a 6His tag at the C-terminus.
Accession #	P00558
Host	Human Cells
Species	Human
Predicted Molecular Mass	45.5 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 20% Glycerol, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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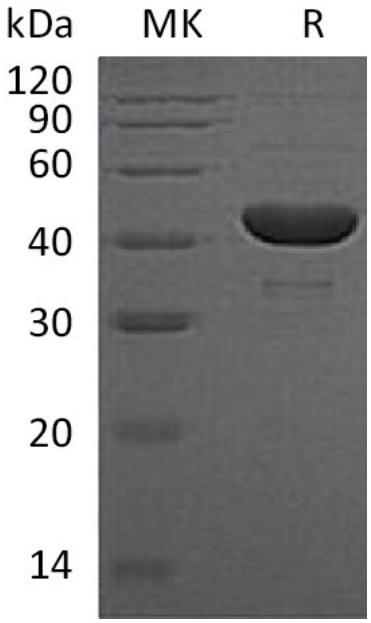

Alternative Names

Phosphoglycerate kinase 1;Cell migration-inducing gene 10 protein;Primer recognition protein 2;PGK1;PGKA

Background

Phosphoglycerate kinase 1(PGK1) is an enzyme. It is mainly expressed in spermatogonia and Localized on the principle piece in the sperm. Its expression significantly decreased in the testis of elderly men. PGK1 involved in a critical energy-producing process known as glycolysis. It 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 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.

Note

For Research Use Only , Not for Diagnostic Use.