



[Go to Product page](#)

Datasheet for ABIN1945463
PGK1 Protein (AA 2-417) (His tag)

Overview

Quantity:	50 µg
Target:	PGK1
Protein Characteristics:	AA 2-417
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PGK1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Phosphoglycerate Kinase 1/PGK1 (C-6His)
Sequence:	SLSNKLTLDK LDVKGKRVVM RVDFNVPMKN NQITNNQRIK AAVPSIKFCL DNGAKSVVLM SHLGRPDGVP MPDKYSLEPV AVELKSLLGK DVLFLKDCVG PEVEKACANP AAGSVILLEN LRFHVEEEGK GKDASGNKVK AEPAKIEAFR ASLSKLGDVY VNDAFGTAHR AHSSMVG VNL PQKAGGFLMK KELNYFAKAL ESPERPFLAI LGGAKVADKI QLINNMLDKV NEMIIGGGMA FTFLKVLNNM EIGTSLFDEE GAKIVKDLMS KAEKNGVKIT LPVDFVTADK FDENAKTGQA TVASGIPAGW MGLDCGPES KKYAEAVTRA KQIVWNGPVG VFEWEAFARG TKALMDEVVK ATSRGCITII GGGDTATCCA KWNTEDKVSH VSTGGGASLE LLEGKVLPGV DALSNILDHH HHHH
Characteristics:	Recombinant Human PGK1 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (AA 2-417) of Human PGK1 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	PGK1
Alternative Name:	Phosphoglycerate Kinase 1/Cell Migration-Inducing Gene 10 Protein (PGK1 Products)
Background:	PGK1 is called phosphoglycerate kinase that involved in a critical energy-producing process known as glycolysis. Phosphoglycerate kinase 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 The encoded protein 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.
Molecular Weight:	45.5 kDa
UniProt:	P00558
Pathways:	Cellular Glucan Metabolic Process

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH ₂ O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, 20 % glycerol, pH 8.0.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Expiry Date:	6 months