

Datasheet for ABIN7318898

PGK1 Protein (His tag)

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Overview

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

Product Details

Purpose:	Recombinant Human PGK1/PGKA Protein (His Tag)
Sequence:	Ser2-Ile417
Characteristics:	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.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	PGK1
Alternative Name:	PGK1/PGKA (PGK1 Products)
Background:	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

Target Details

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.

Synonym: Phosphoglycerate kinase 1,Cell migration-inducing gene 10 protein,Primer recognition protein 2,PGK1,PGKA

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:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM Tris,150 mM NaCl,20 % glycerol, pH 8.0.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.