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Datasheet for ABIN7318898 PGK1 Protein (His tag)

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

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.