Recombinant Human PGK1 Protein

Catalog No.: RP02987LQ

Sequence Information

Species
Human

Gene ID
5230

Swiss Prot
P00558

Tags
C-His

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

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
45.5 kDa

Observed MW
37-50 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 20% Glycerol, pH 8.0.

Reconstitution

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.

Basic Information

Description
Recombinant Human PGK1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser2-Ile417) of human PGK1 (Accession #NP_000282.1) fused with a 6×His tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

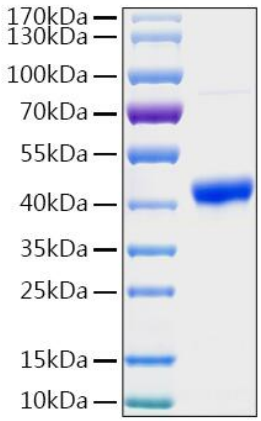
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human PGK1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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