Recombinant Mouse PGK1 Protein

Catalog No.: RP03150LQ

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Sequence Information

Species
Mouse

Gene ID
18655

Swiss Prot
P09411

Tags
C-His

Synonyms
Phosphoglycerate kinase 1, Pgk-1, Pgk1

Product Information

Source
Baculovirus-Insect Cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
46.00 kDa

Observed MW
43 kDa

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

Formulation
Supplied as a 0.2 μm filtered solution of 20mM Tris, 500mM NaCl, pH 7.4

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 Mouse PGK1 Protein is produced by Baculovirus-Insect Cells system. The target protein is expressed with sequence (Met1-Val417) of Muman PGK1 (Accession #NP_032854.2) 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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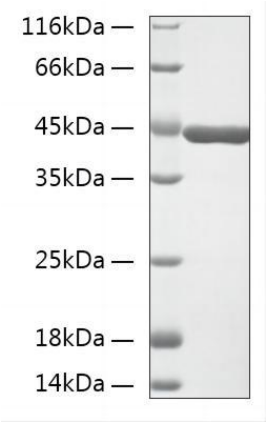
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



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