



Recombinant Protein Technical Manual
Recombinant Human PGK1/PGKA Protein (His Tag)
RPES1880

Product Data:

Product SKU: RPES1880

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P00558

Protein Information:

Molecular Mass: 45.5 kDa

AP Molecular Mass: 45 kDa

Tag: C-6His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, 20% glycerol, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

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

Immunogen Information:

Sequence: Ser2-Ile417

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.