

# Human PGK2 (His Tag) recombinant protein



Catalog Number: 500970

## General Information

### Gene Name Synonym

Phosphoglycerate kinase, testis specific

### Protein Construction

A DNA sequence encoding the human PGK2 (NP\_620061.2) (Ser2-Met417) was expressed with a polyhistidine tag at the N-terminus.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

Kinase activity untested

### Purity

> 90 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

His

### Molecular Mass

The recombinant human PGK2 consists of 434 amino acids and has a calculated molecular mass of 46.9 kDa. The recombinant protein migrates as an approximately 43.5 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Supplied as sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 7.4.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

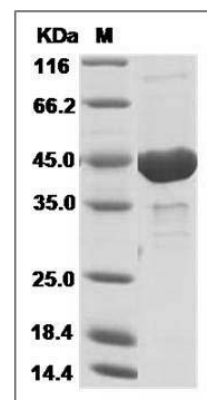
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human Phosphoglycerate Kinase 2 / PGK2 Protein (His Tag) SDS-PAGE