

## Phosphoglycerate kinase, yeast

Cat. No.:	HY-P2822
CAS No.:	9001-83-6
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### Phosphoglycerate kinase

#### BIOLOGICAL ACTIVITY

##### Description

Phosphoglycerate kinase, yeast (PGK), namely phosphoglycerate kinase, is a glycolytic enzyme commonly used in biochemical research. Phosphoglycerate kinase can catalyze the reversible transfer of phosphate groups from 1,3-bisphosphoglycerate (1,3-BPG) to ADP to generate 3-phosphoglycerate (3-PG) and ATP. At the same time, it can also participate in gluconeogenesis, catalyzing the opposite reaction to produce 1,3BPGA and ADP. Phosphoglycerate kinase is involved in energy metabolism, interaction with nucleic acid, tumor progression, cell death and virus replication and other related processes<sup>[1]</sup>.

#### REFERENCES

[1]. Maura Rojas-Pirela, et al. Phosphoglycerate kinase: structural aspects and functions, with special emphasis on the enzyme from Kinetoplastea. Open Biol. 2020 Nov;10(11):200302.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA