Mouse PGK1 Protein

Cat. No. PGK-MB101

Description

Source	Recombinant Mouse PGK1 Protein is expressed from Baculovirus-Insect Cells with His tag at the C-terminal.
	It contains Met1-Val417.
Accession	P09411
Molecular Weight	The protein has a predicted MW of 46.07 kDa same as Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

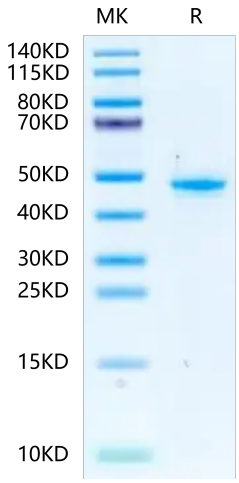
Formulation	Lyophilized from 0.22μm filtered solution in 20mM Tris, 500mM NaCl (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-20 to -80°C for 3-6 months in unopened state after reconstitution.2-8°C for 2-7 days after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Phosphoglycerate kinase 1 (PGK1) is the first critical enzyme to produce ATP in the glycolytic pathway. PGK1 is not only a metabolic enzyme but also a protein kinase, which mediates the tumor growth, migration and invasion through phosphorylation some important substrates.

Assay Data

Tris-Bis PAGE



Mouse PGK1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.