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Datasheet for ABIN7504507
PGK1 Protein (AA 1-417) (His tag)

Overview

Quantity:	100 µg
Target:	PGK1
Protein Characteristics:	AA 1-417
Origin:	Mouse
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PGK1 protein is labelled with His tag.

Product Details

Purpose:	Mouse PGK1 Protein
Sequence:	Met1-Val417
Characteristics:	Recombinant Mouse PGK1 Protein is expressed from Baculovirus-Insect Cells with His tag at the C-terminus.It contains Met1-Val417.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	PGK1
Alternative Name:	PGK1 (PGK1 Products)

Target Details

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.
Molecular Weight:	46.07 kDa same as Tris-Bis PAGE result.
UniProt:	P09411
Pathways:	Cellular Glucan Metabolic Process

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in 20 mM Tris, 500 mM NaCl (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months 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.
Expiry Date:	12 months