

PGK2 Protein, Human (sf9, His)

Cat. No.:	HY-P75972
Synonyms:	Phosphoglycerate kinase 2; PGK2; PGKB
Species:	Human
Source:	Sf9 insect cells
Accession:	P07205 (S2-M417)
Gene ID:	5232
Molecular Weight:	Approximately 43.5 kDa

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	The PGK2 protein is a vital component in the context of male reproductive biology, as it plays an essential role in sperm motility and contributes significantly to male fertility. Although it is indispensable for sperm movement and functionality, PGK2 is not deemed necessary for the completion of spermatogenesis, as suggested by similarities observed in related processes. This dual functionality underscores the specialized role of PGK2 in facilitating the dynamic and intricate processes involved in sperm motility, highlighting its critical importance in male reproductive success while not being a requisite factor for the earlier stages of spermatogenesis.
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Caution: Product has not been fully validated for medical applications. For research use only.

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