

Product datasheet for PH307941

PGK2 (NM_138733) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PGK2 MS Standard C13 and N15-labeled recombinant protein (NP_620061)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207941
Predicted MW:	44.8 kDa
Protein Sequence:	>RC207941 protein sequence Red=Cloning site Green=Tags(s) MSLSKKLTLDKLDVRGKRVIMRVDFNVPMKKNQITNNQRIKASIPSIKYCLDNGAKAVVLMSHLGRPDGV PMPDKYSLAPVAVELKSLGKDVLFKDCVGAEEVEKACANPAPGSVILLENLRFHVVEEGKQDPSGKKI KAEPDKIEAFRASLSKLGDVYVNDAFGTAHRAHSSMVGVNLPKASGFLMKKELDYFAKALENPVRPFLA ILGGAKVADKIQLIKNMLDKVNEMIIGGMA YTF LKVLNMEIGASLFDEEGAKIVKDIMAKAQKNGVRI TFPVDFVTGDKFDENAQVGKATVASGISPGWMGLDCGPESKNHAQVVAQARLIVWNGPLGVFEWDAFAK GTKALMDEIVKATSKGCITVIGGGDTATCCAkwntedkvshvstgggaslelllegkILPGVEALSNM TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_620061</u>
RefSeq Size:	1721
RefSeq ORF:	1251
Synonyms:	dj417L20.2; HEL-S-272; PGKB; PGKPS
Locus ID:	5232



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UniProt ID: [P07205](#), [A0A140VJR3](#)

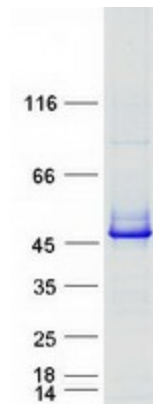
Cytogenetics: 6p12.3

Summary: This gene is intronless, arose via retrotransposition of the phosphoglycerate kinase 1 gene, and is expressed specifically in the testis. Initially assumed to be a pseudogene, the encoded protein is actually a functional phosphoglycerate kinase that catalyzes the reversible conversion of 1,3-bisphosphoglycerate to 3-phosphoglycerate, during the Embden-Meyerhof-Parnas pathway of glycolysis, in the later stages of spermatogenesis.[provided by RefSeq, May 2010]

Protein Families: Druggable Genome

Protein Pathways: Glycolysis / Gluconeogenesis, Metabolic pathways

Product images:



Coomassie blue staining of purified PGK2 protein (Cat# [TP307941]). The protein was produced from HEK293T cells transfected with PGK2 cDNA clone (Cat# [RC207941]) using MegaTran 2.0 (Cat# [TT210002]).