

Recombinant Human PGK2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PGK2-4334H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PGK2 MS Standard C13 and N15-labeled recombinant protein (NP_620061) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	44.8 kDa
AA Sequence	MSLSKKLTLDKLDVRGKRVIMRVDFNVPMKKNQITNNQRIKASIPSIKYCLDNGAKAV VLMSHLGRPDGVPMPDKYSLAPVAVELKSLLGKDVFLKDCVGAEVEKACANPAPG SVILLENLRFHVEEEGKGQDPGKKIKAEPDKIEAFRASLSKLGDVYVNDAFGTAHRA HSSMVGVNLP HKASGFLMKKELDYFAKALENPVRPFLAILGGAKVADKIQLIKNMLDK VNEMIIGGGMAYTFLKVLNNMEIGASLFDEEGAKIVKDIMAKAQKNGVRITFPVDFVT GDKFDENAQVGKATVASGISPGWMGLDCGPESNKNHAQVVAQARLIVWNGPLGVF EWDFAKGTKALMDEIVKATSKGCITVIGGGDTATCCAKWNTEDKVSHVSTGGGAS

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LELLEGKILPGVEALSNMTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

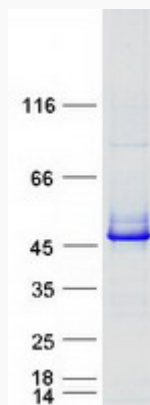
Gene Name	PGK2 phosphoglycerate kinase 2 [Homo sapiens (human)]
Official Symbol	PGK2
Synonyms	PGK2; phosphoglycerate kinase 2; PGK 2; PGKPS; phosphoglycerate kinase, testis specific; phosphoglycerate kinase autosomal pseudogene; PGKB; dJ417L20.2;
Gene ID	5232
mRNA Refseq	NM_138733
Protein Refseq	NP_620061
MIM	172270
UniProt ID	P07205

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SDS-PAGE



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