

Product datasheet for **TP307941M**

PGK2 (NM_138733) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human phosphoglycerate kinase 2 (PGK2), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA >RC207941 protein sequence

Clone or AA Sequence: **Red**=Cloning site **Green**=Tags(s)

MSLSKLLTLDKLDVRGKRVIMRVDFNVPMMKNQITNNQRIKASIPSIKYCLDNGAKAVLMSHLGRPDGV
PMPDKYSLAPVAVELKSLGKDVFLKDCVGAEEVEKACANPAPGSVILLENLRFHVEEEGKGQDPSGKKI
KAEPDKIEAFRASLSKLGDVYVNDAFGTAHRAHSSMVGVNLPKASGFLMKKELDYFAKALENPVRPFLA
ILGGAKVADKIQLIKNNMLDKVNEMIIGGGMAYTFLKVLNNMEIGASLFDDEGAKIVKDIMAKAQKNGVRI
TFPVDFVTGDKFDENAQVGKATVASGISPGWMGLDCGPESNKNHAQVVAQARLIVWNGPLGVFEWDAFAK
GTKALMDEIVKATSKGCITVIGGGDTATCCAkwntedKvshvstGGGASLELLEGKILPGVEALSNM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 44.6 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_620061](#)

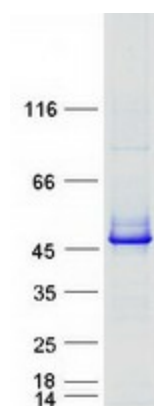
Locus ID: 5232



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|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UniProt ID: | P07205 , A0A140VJR3 |
| RefSeq Size: | 1721 |
| Cytogenetics: | 6p12.3 |
| RefSeq ORF: | 1251 |
| Synonyms: | dj417L20.2; HEL-S-272; PGKB; PGKPS |
| 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]).