

Product datasheet for **TP308591M**

PHKG1 (NM_006213) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphorylase kinase, gamma 1 (muscle) (PHKG1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208591 protein sequence Red =Cloning site Green =Tags(s)
	<p>MTRDEALPDSHSAQDFYENYEPKEILGRGVSSVWRRCIHKPTSQEYAVKVIDVTGGGSFSPEEVRELREA TLKEVDILRKVSGHPNIIQLKDTYETNTFFFLVFDLMKRGELFDYLTEKVTLSEKETRKIMRALLEVICT LHKLNIVHRDLKPENILLDDNMNIKLTDFGFSCQLEPGERLREVCCTPSYLAPEIIECSMNEDHPGYGKE VDMWSTGVIMYTLLAGSPPFWHRKQMLMLRMIMSGNYQFGSPEWDDYSDTVKDLVSRFLVVQPQNRYTAE EALAHPPFFQYLVVEVRHFSPRGKFKVIALTVLASVRIYYQYRRVKPVTREIVIRDPYALRPLRLRIDAY AFRIYGHWWKKGQQNRAALFENTPKAVLLSLAEEDY</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	44.8 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_006204
Locus ID:	5260



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UniProt ID: [Q16816](#), [A0A024RDL4](#)

RefSeq Size: 2130

Cytogenetics: 7p11.2

RefSeq ORF: 1161

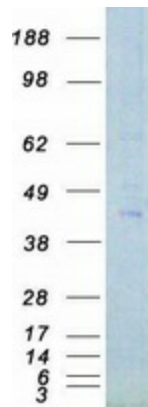
Synonyms: PHKG

Summary: This gene is a member of the Ser/Thr protein kinase family and encodes a protein with one protein kinase domain and two calmodulin-binding domains. This protein is the catalytic member of a 16 subunit protein kinase complex which contains equimolar ratios of 4 subunit types. The complex is a crucial glycogenolytic regulatory enzyme. This gene has two pseudogenes at chromosome 7q11.21 and one at chromosome 11p11.12. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2012]

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Calcium signaling pathway, Insulin signaling pathway

Product images:



Coomassie blue staining of purified PHKG1 protein (Cat# [TP308591]). The protein was produced from HEK293T cells transfected with PHKG1 cDNA clone (Cat# [RC208591]) using MegaTran 2.0 (Cat# [TT210002]).