

## Product datasheet for TP308591L

### PHKG1 (NM\_006213) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human phosphorylase kinase, gamma 1 (muscle) (PHKG1), 1 mg  |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC208591 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)   |
|                                       | MTRDEALPDSHSAQDFYENYEPKEILGRGVSSVWRRCIHKPTSQEYAVKVIDVTGGGSFSPEEVRELREA<br>TLKEVDILRKVSGHPNIIQLKDTYETNTFFFLVFDLMKRGELFDYLTEKVTLSEKETRKIMRALLEVICT<br>LHKLNIVHRDLKPENILLDDNMNIKLTDFGFSCQLEPGERLREVCCTPSYLAPEIIECSMNEDHPGYGKE<br>VDMWSTGVIMYTLLAGSPPFWHRKQMLMLRMIMSGNYQFGSPEWDDYSDTVKDLVSRFLVVQPQNRYTAE<br>EALAHPPFFQYLVVEVRHFSPRGKFKVIALTVLASVRIYYQYRRVKPVTREIVIRDPYALRPLRLRIDAY<br>AFRIYGHWWKKGQQNRAALFENTPKAVLLSLAEEDY |
|                                       | <b>TR</b> TRPLEQKLISEEDLAANDILDYKDDDDKV  |
| 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:                               | <a href="#">NP_006204</a>  |
| Locus ID:                             | 5260   |



[View online »](#)

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

RefSeq Size: 2130

Cytogenetics: 7p11.2

RefSeq ORF: 1161

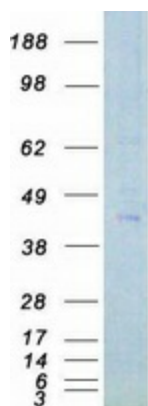
Synonyms: PHKG

**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]).