

## Product datasheet for **MC205036**

### Phkg1 (NM\_011079) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Phkg1 (NM_011079) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Phkg1
Synonyms:	Phkg
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC055102  
 GTACCAAAGTTCCGCAAGAGGAGCAAGACAGCAACTCCAATAAGTGTCTGCTCAGGACACAGCTTCAGCC  
 CTTTGTGGTCTGCTGTCTCCCAAGGGCTCCAGGACCTTTGGAATTCTTGTCACTTCCATTCAAGGGCCTA  
 CAAGGACCTCACGAGGTGTTTGGGATCCCCCTGAGATCCACGTGACCATGACCCGGGATGACGCCCTCCC  
 TGACTCGATTCTGCACAGACTTCTACGAGAATATGAGCCCAAGGAGATCCTGGGCAGGGGAGTCAGC  
 AGTGTGGTCAGGCGCTGCATCCACAAACCACATGCCAGGAATACGCAGTGAAAAATCATTGACATCACCG  
 GAGGAGGAAGCTTTAGCTCTGAGGAGGTACAGGAGCTTCGGGAAGCCACCCTGAAGGAGGTGGACATCCT  
 GCAGAAGGTCTCGGGACACCCCAACATCATACAGCTGAAGGACACTTACGAGACCAACACTTTCTCTTC  
 TTGGTATTTGATCTGATGAAGAGAGGGGAACTCTTTGACTATCTCACTGAGAAGGTCACCTTAACCGAGA  
 AGGAAACCAGAAAGATCATGCGGGCCCTGCTGGAGGTGATCTGTACCCTGCACAACTCAACATTGTCCA  
 TCGGGACCTGAAGCCGGAGAATATCCTTTTGGATGACAACATGAATATAAAGCTCACAGACTTCGGGTTT  
 TCCTGCCAGTGCAGCCAGGAGAGAAGCTCCGAGAGGTTTGTGGGACTCCCAGTTATCTGGCCCCTGAAA  
 TCATACAGTGTCCATGGACGACGGCCATCCTGGCTATGGGAAGGAGGTGGACATGTGGAGCACAGGCGT  
 CATCATGTACACTCTGCTGGCTGGCTCCCCGCTTTCTGGCACCGGAAGCAAATGCTGATGTTGCGGATG  
 ATCATGGACGGCAAATACAGTTTGGCTCACCAGAGTGGGATGACTACTCTGACACAGTGAAGACTTGG  
 TGCTCTCGATTCTTGGTGTGCAACCTCAGGACCGCTGCTCGGCGGAAGAGGCCTTGGCACACCCTTCTT  
 TCAGGAGTACGTAGTAGAAGAAGTACGGCACTTCAAGCCCGAGGGAAGTTCAAGGTGATCTGTCTAACT  
 GTGCTGGCATCAGTAAAGATCTACTACCAGTACCGTCGGGTGAAGCCGGTAACCAGGGAGATCGTCATCC  
 GAGACCCCTACGCCCTTCGGCCGCTGCGGAGGCTCATTGACGCCTATGCTTTCGATATCTACGGCCACTG  
 GGTGAAGAAAGGGCAACAGCAGAACAGAGCCGCCCTCTTCGAGAACACGCCCAAGGCTGTGCTCCTCTCC  
 TTGGCTGAGGAGGAGGACTTCTGAAGGGCAGCGGGGCCAGGGGAAAGCAGACAGAGGGACTTGTGAGA  
 AGAGGATGCCCAAGTAGCCTTCTGCAAGGAATAGGTGGCCCTACTCTGTGCTCTCAAAGGCTTGCCTC  
 TAGAAGCACAGGGTGTCCAGTAAACAGCAGTAATTACAGCTGGAGCTGGATGTGCTGTGGCATGTGCC  
 TGTTGCCCGAGACAGTAGGATACGGGTTCTAGCCAGCCCGGAAGTCTAGTGATGCTTATTTCAAAA  
 TAAAAATGAGGCTGGAATGTAACCCTGTGGTGTGTAAGGTCTCCAAATCAACCTCTGGTACAGCTA  
 AAATAGATAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA  
 ATAGAGCACATGTATTCTGGGAGCTATAAGCCTTCTGGCTTCTCTACTGTGCACCTTTGTTGATGTCTAT  
 AGTTTTCTGTTTTTTTTTTTTAAGATTTATGCATTTTATGTATGTTTTAGCTGCATGATTTTATGTAAC  
 CCATGCATGCAGTACCTGTAGAGTCAACAAGGCATCAGAAACCCTGAACTGGAGTTGTATAGAT  
 AGCTGAGCCACCTTGTGGTGGTAGGAATTGAACCCCTCCTCAGCAAGAACAGGCGCTCATAACTGTCT  
 AGCTAAAGTTATGGATATTTGAGGAAGTAAAAGCAGGAGTTCAAGGTCAATTTGTGGCTACACAAGGAGCT  
 TGAGGCTAGCCTGGGCTACATGAAACCCTATCTCAACAACAATTATATTGTGCTTCTGATATACATAA  
 GAATTTATTGACCTCGGGCTGGTGTGATGGCTCAGTGGGTAAGAGTACCCGACTGCTCTTCCAAAGGTCC  
 AGTGTTCAAGTCCAGCAACCACATGGTGGCTCACAACCATCCGTAACGAGATCTGATGCCCTCTTCTGG  
 TGTGTCTGAAGACAGCTACAGTGTACTTACATATAATAAATAAATAAATCGAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAA

**Restriction Sites:** Sfil-Sfil  
**ACCN:** NM\_011079  
**Insert Size:** 1167 bp  
**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).  
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [BC055102](#), [AAH55102](#)

**RefSeq Size:** 2391 bp

**RefSeq ORF:** 1167 bp

**Locus ID:** 18682

**UniProt ID:** [P07934](#)

**Cytogenetics:** 5 68.26 cM

**Gene Summary:** Catalytic subunit of the phosphorylase b kinase (PHK), which mediates the neural and hormonal regulation of glycogen breakdown (glycogenolysis) by phosphorylating and thereby activating glycogen phosphorylase. In vitro, phosphorylates PYGM, TNNI3, MAPT/TAU, GAP43 and NRGN/RC3 (By similarity).[UniProtKB/Swiss-Prot Function]