

Product datasheet for **MC224028**

Phka1 (NM_008832) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Phka1 (NM_008832) Mouse Untagged Clone
Tag: Tag Free
Symbol: Phka1
Synonyms: 5330411D17; 9830108K24Rik; Phka
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224028 representing NM_008832
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGGAGCCGCAGTAACTCGGGAGTCCGCTGGACGGCTATGCTCGGCTGGTGCATCAGACCATCCTGT
GCCATCAGAATCCAGTGACAGGCTTGTCTCCAGCCAGCTATGATCAAAAAGATGCCTGGGTCGAGATAA
TGTGTACAGTATCCTGGCTGTGTGGGTTTGGGCTGGCATATCGCAAAAATGCTGACCGTGATGAGGAC
AAGGCAAAGGCCTATGAACTGGAGCAGAGTGTAGTGAAGTTAATGAGGGGACTGCTGCATGCATGATCA
GACAGGTGGATAAAGTAGAGTCTTCAAGTACAGTACAGTACTAAAGATAGCCTCCATGCCAAGTACAA
CACAAAACCTTGTGCCACTGTGGTGGGTGATGACCAGTGGGGACACCTGCAGTTGGATGCTACTTCTGTG
TACCTGCTCTTCCCTAGCACAAATGACTGCCTCAGGACTCCATATCATCCACAGCCTAGACGAAGTCAATT
TTATACAGAACCTCGTGTTTTACATTGAAGCTGCATATAAAACTGCTGACTTTGGGATATGGGAACGTGG
CGATAAGACAAACCAAGGCATCTCGGAATTGAATGCGAGTTCAGTTGGAATGGCCAAGGCAGCCCTGGAA
GCACTAGATGAATTAGACTTGTGGTGTGAAAGGTGGCCACAATCAGTTATCCATGCTCCTGGCTGATG
AAGTCCAACACTGCCAGTCTATCCTGAATTCACTACTGCCAGGGCTTCAACATCCAAGAAGTTGATGC
CAGTCTGCTCTCAGTGGTCTCTTCCAGCCTTTGCTGTAGAGGACAGCCATTTGGTGGAGCTCACCAAA
CAGGAGATCATACCAAGCTTCAGGGTCTTATGGTTGCTGTGCTTTTTCTGCGAGATGGATATAAAACTC
CTAAAGAGGATCCAATCGCCTATACTATGAACCAGCTGAGCTGAAGCTATTTGAAAACATTGAGTGCGA
ATGGCCATTGTTCTGGACATACTTTATCCTTGATGGGATCTTCAGTGGCAACGTAGAACAGGTTCAAGAA
TATAGAGAGGCTCTTGATGCAGTCTCATCAAGGGCAAAAATGGAGTCCCTCTTCTCCAGAGCTGTACA
GTGTCCCTCCTGACAGGGTTGATGAAGAGTATCAAAAATCCCACACTGTGGATCGAGTCCCTATGGGAAA
ATTGCCTCACATGTGGGTCAGTCTCTATACATTTTAGGAAGCTTGATGGCAGAGGGATTTTAGCTCCT
GGAGAAATGATCCCCTGAATCGTAGGTTTTCTACTGTGCCAAAGCCAGATGTGGTGGTTCAAGTCTCCA
TTCTGGCTGAAACAGAAGAAATCAAGGCCATTTTGAAGGACAAAGGAATTGATGTGGAGACCATTGCTGA
AGTGTACCCCATAAAGGTACAGCCAGCTCGTATTCTCAGCCATATTTATTCTAGTCTAGGATGCAACAGT
AGAATGAAACTCAGTGGACGACCCTACAGGCTCATGGGTGTGCTTGAACATCAAAACTTTATGACATTC



GCAAAACTATCTTTACTTTCACCTCCACAGTTTATAGACCAGCAACAGTTCTACCTGGCTCTGGACAACCA
 GATGATAGTAGAAATGCTCAGAACAGACCTTTCCTACCTCTGTAGCCGCTGGAGGATGACAGGCCAGCCC
 ACGATCACTTTCCCTATCTCGCACACCATGCTTGATGAAGATGGAACCAGCTTGAATTAAGTATCTTGG
 CAGCACTCCGAAAAATGCAGGATGGCTATTTTGGTGGGGCCAGGATCCAAACAGGTAAATTTGTCAGAGTT
 TTTGACAACATCTTGCTGCACACACTTAAGCTTCATGGACCCTGGACCTGAGGGTAAGCTGTACAGTGAA
 GATTATGATGAAGACTATGAAGATGATTTGGACTCTGGCAACTGGATGGACAGCTATGATTCAACAAGTA
 ATGCTCGCTGTGGTGATGAAGTTGCCCGTATTTAGACCGCTTTTGGCACACACTGTTCCCATCCTAA
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 ATGTCCTTGGTGGCCAAGGCCAAGGAGCTGCATATACAGAATGTTACATGTATCTTCTACAAAGTTAT
 TTCAGCCTTCTCGTCTTCACTCAACTTACTTGACTCCCCTGAGTCTCCACAAGTAGCCAGGTTCTTTC
 CGTTTCATGTAGAAGTGCATCTTCTAGGGACCAGTCTGGGGAAGTGGACTTCCAGTCATTGGTTTTCACAG
 TTGAAGGAGACCTCAAGCTTACAGGAGCAAGCTGATATACTCTACATGCTGTATTCAATGAAAGGACCTG
 ACTGGAACACTGAATTGTATGAAGAAGGGGGGCTACTGTCAGAGAGCTTCTTAGTGAAGTGTATGTCAA
 AGTTGGTAAAATTCGGCACTGGGGTCTGATCCGATATATCTCTGGGATCTTACGGAAGAAAGTGGAGGCA
 CTTGATGAGGCCCTGCACAGACCTTCTGTCTACCAGAAACACCTGACAGTAGGACTTCTCCAGAACCTC
 GAGAGAAGACCATCTCTGCGCCTTACCGTACGAGGCACTCACTAAGCTGATAGTGAAGCCAGTGAAGG
 CGACATGAGCATCTCAACCCCTTACACAGGAAATATGGTCTATCTTGCCATGTATATGAGAACTAGCCT
 GGCTCTTTGAGAAATGTTTCAGACTTCGAATCGGTTTGATCATACAAGTTATGGCAACGAACTAGCAC
 ACTCTCTTCGATGTTTCAGCTGAGGAAGCCACAGAGGGCCTGATGAATCTCAGTCTTTCAGCCATGAAGAA
 CCTCTGCATCACATTCTCAGTGGCAAAGAGTTTGGAGTGAACGAAGCGTTTCGTCCTCACTGATTCAAAT
 GTGAGTCTGCTATTTCCATCCATGAGATTGGTGTCTGTTGGAGCAACAAAACTGAACGAACTGGAATCA
 TGCAGTTAAAAAGTGAAGATAAAGCAGGTGGAATTCGTAGGCTGTCTGTCTCGATGGAGAGTCAGACTAG
 TGGTGGTATCCCTCGGGTGTAGATTTGATGTCGCCATCCTTTCTGTCCTGAGCCTGTATTGCTGCA
 AGTAGTGGATCCTTTCTACGGTGTGATCATCAGACATCTAAAGATAGTCTCAAGGCCAGTGGCAAC
 GCAGGAGAAGGCTAGATGGAGCACTAAATAGAGTACCAATTGGATTTTATCAAAAAGTATGGAATTTT
 GCAGAAATGTCATGGGCTTTCTGTGGAAGGTTTGTCTTCCCTTCAACCACTAGGGAGATGACCCCA
 GGTGAGATTAATTTCTGTCCATGTGGAGTCTGTCTGAATCGTGTCCCTCAGCCAGAATACCGCAAC
 TTCTGGTTGAAGCCATCCTTGTCTCACCATGCTGGCAGATATTGAAATTCATAGCATTGGGAGCATCAT
 TGCTGTGGAGAAAATAGTTCATATTGCCAACGACTTGTCTTCAAGAACAGAAAACCTCGGCGCAGAT
 GATACCATGTTGGCAAAGGATCCTGCATCTGGCATCTGTACTCTCTGTATGACAGTGCACCCAGTGGCA
 GATTTGGCACCATGACCTACCTCTCAAGGCAGCTGCCACCTACGTGCAGGAGTTTCTGCCACACAGCCT
 CTGTGCCATGCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_008832

Insert Size:

3726 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: [NM_008832.2](#), [NP_032858.2](#)

RefSeq Size: 6115 bp

RefSeq ORF: 3726 bp

Locus ID: 18679

UniProt ID: [P18826](#)

Cytogenetics: X 45.47 cM

Gene Summary: Phosphorylase b kinase catalyzes the phosphorylation of serine in certain substrates, including troponin I. The alpha chain may bind calmodulin.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.