

Product datasheet for **RN204493**

Phka1 (NM_022626) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phka1 (NM_022626) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Phka1
Synonyms:	Pcyt1b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN204493 representing NM_022626 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGGAGCCGGAGTAACTCGGGGTCCGCTGGACGGCTATGCTCGGCTGGTGCATCAGACCATCCTGT
GCCATCAGAATCCAGTGACAGGCTTGTCTCCGGCCAGCTATGATGAGAAAGATGCCTGGGTCGAGATAA
TGTGTATAGCATCTGGCTGTGTGGGTTTAGGCTGGCATATCGAAAGAATGCAGACCGTGATGAGGAC
AAGGCAAAGGCCATGAAGTGGAGCAGAGTGTAGTGAAGTTAATGAGGGACTGCTGCATGCATGATCA
GACAGGTGGATAAAGTAGAGTCTTTCAAGTACAGTACAGTACTAAAGATAGCCTTCACGCCAAGTACAA
CACAAAACCTTGTGCCACGGTAGTGGGTGATGACCAGTGGGGACACCTGCAGTTGGATGCTACTTCTGTG
TACCTGCTCTTCTAGCACAAATGACTGCCTCAGGACTCCATATCATCCACAGCCTAGACGAAGTGAATT
TTATACAGAACCTTGTGTTTTACATTGAAGCCCATATAAAACTGCTGACTTTGGGATATGGGAACGCGG
AGATAAGACAAACCAAGGCATCTCAGAATTGAATGCAAGTTCAGTTGGAATGGCCAAGGCAGCCCTGGAA
GCACTAGATGAATTAGACTTGTGGTGTGAAAGGTGGCCGCAATCAGTTATCCATGCTCTGGTGACG
AAGTACAACACTGCCAGTGCATCCTGAATTCACTACTGCCAGGGCTTCAACATCGAAAGAAGTTGATGC
CAGTCTGCTGTCAGTGGTCTTTCCAGCCTTTGCTGTAGAGGACAGTCATTTGGTGGAGATCACCAAA
CAGGAGATCATCACAAAACCTCAGGGTCTGTTATGGTTGCTGTCGTTTTCTGCGTGATGGATATAAACTC
CTAAAGAGGATCCTAATCGCCTATACTATGAACCAGCTGAGCTGAAGCTATTTGAAAACATAGAGTGTGA
ATGGCCACTGTTCTGGACATACTTTATCCTTGATGGGATCTTCAGTGGCAACACAGAACAGGTTCAAGAA
TATAGAGAGGCTCTTGATGCAGTCTCATCAAGGGCAAAAATGGAGTCCCACTACTTCCAGAGCTGTACA
GTGTTCTCCTGACAGGGTTGATGAAGAATATCAAAATCCTCACACCGTGGATCGAGTCCCTATGGGAAA
ATTGCCTCACATGTGGGTGAGTCCCTATATATTTAGGAACTTGTGCGGAGGGATTTTAGCTCCT
GGAGAAATGATCCCCTGAATCGTAGGTTTTCCACTGTCCAAAGCCAGACGTAGTGGTCAAGTCTCCA
TTCTGGCTGAAACAGAAGAAATCAAGGCCATTTTGAAGGACAAAGGAATTGATGTGGAGACCATTGCTGA
AGTGTACCCCATAAAGGTACAGCCAGCTCGTATTCTCAGCCACATTTATTCCAGTCTAGGATGCAACAGT
AGAATGAAACTCAGTGGACGACCCTACAGGCTCATGGGTGACTTGAACGTCAAAAACCTTATGACATTC



GCAAACTATCTTTACTTTCACTCCACAGTTTATAGACCAGCAGCAGTTCTACTTGGCTCTGGACAACCA
 GATGATAGTCGAAATGCTCCGGACAGATCTCTCCTACCTCTGCAGCCGGTGGAGGATGACAGGCCAGCCC
 ACCATCACTTTCCCATCTCACACACCATGCTGGATGAAGATGGAGCCAGCTTGAATCAAGTATCCTGG
 CAGCACTCCGGAAAAATGCAGGATGGTTATTTGGTGGGGCCAGGATCCAAACAGGTAAGCTGTACAGCGAA
 TTTGACAACATCTTGCTGCACACACTTAAGCTTACATGGACCCTGGACCCGAGGGTAAGCTGTACAGCGAA
 GATTATGATGAAGACTATGATGATGAGCTGGACTCTGGCAACTGGATGGATAGCTATGACTCAACACGTA
 ATGCTCGCTGTGGTGTGAAGTTGCCCGTATTTAGACCACCTTTGGCACACACTGGTCCCCATCCTAA
 ACTAACTCCACCTCACGGAAGGGAGGGCTAGATCGGTTCCGAGCTGCTGTGCAAACAACCTTGCAGCTTA
 ATGTCCTTGGTGGCCAAGGCCAAGGAGCTGCATATACAGAATGTTACATGTATCTTCTACAAAGTTAT
 TTCAGCCTTCTCGCCCTCACTCAACTTACTTGACTCACCTGAATCTCCACAAGTAGCCAGGTTCTTCTC
 TGTTCTGTGATGAAGTCCATCTTCTAGGGACCAGTCTGGGGAAGTGGACTTCCAGTCATTGGTTTACAG
 TTGAAGGAGACCTCAAGCTTACAGGAGCAAGCTGATATACTCTACATGCTATATAACAATGAAAGGACCTG
 ACTGGAACACTGAATTGTACGAAGAAGGAGGCAGTACTGTGAGAGAGCTTCTTAGTGAATATATGTCAA
 AGTCGGTAAAATTCGGCACTGGGGTCTGATCCGATACATCTCTGGGATCTTACGGAAGAAGTGGAGGCA
 CTTGATGAGGCCCTGCACAGACCTTCTGTCTACCAGAAACACCTGACAGTAGGGCTTCTCCAGAACCTC
 GAGAGAAGACCATCTCTGCGCCTTACCGTACGAGGCACTCACTAAGCTGATAGTGAAGCCAGCGAAGG
 AGACATGAACATCTCCACCCTGACACAGGAAATATGGTCTATCTTGCCATGTATATGAGAACTAGCCT
 GGCTTTTTGAGAAATGTTCCGACTTCGAATGGTTTGTATACAAAGTTATGGCAACAGAACTGGCCC
 ACTCTCTGCGATGTTTCCAGCTGAAGAAGCCACAGAGGGCCTGATGAATCTCAGTCTTCCAGCCATGAAGAA
 TCTCTGCATCACATCCTCAGCGGCAAAGAGTTTGGAGTGAACGAAGCGTTTCGTCCTCACTGATTCAAAT
 GTGAGTCTGCTATTTCCATCCATGAGATCGGTGCTGTCGGAGCAACAAAAACAGAACGAACTGGAATCA
 TGCAGTAAAAAGTGAAGTCAAGCAGGTGGAATCCGTAGGCTGTCTGTCTCACCCGAGAGTCAGACTAG
 TGGTGGTCACTCCCTCAAGTATAGATTTGATGTCACCCGACCTTTCTGTCCCCTGCAGCCTGTATTTCTGCG
 AGCAGTGGGTCTTTCTACTGTATGTGAGCCACAGACATCTAAAGATAGTCGTCGTCGTCGTCGTCGTCGTC
 GCAGGAGAAGACTAGATGGAGCACTAAATAGAGTACCAATTGGATTTTATCAAAAAGTGTGAAAAATTTT
 GCAGAAATGTCACGGGCTTTCTGTGGAAGGTTTGTCTTCCCTTCAAGCACTAGGGAGATGACCCCA
 GGCGAGATTAATTTCTGTCCACGTGGAGTCCGTCTGAACCGTGTGCCTCAGCCAGAGTACCGTCAGC
 TTCTGGTTGAAGCCATCCTGTTCTCACCATGCTGGCAGATATTGAAATCCATAGCATTGGGAGCATCAT
 TGCTGTGAAAAAATAGTTCATATTGCCAATGACTTGTCTCCTCAGGAACAGAAAACCTCGGCGCAGAT
 GATATCATGTTGGCAAAGGATCCTGCATCTGCCATCTGTACTTCTGTATGACAGTGCACCCAGTGGCA
 GATTTGGCACCATGACCTACCTCTCAAGGCAGCTGCCACCTACGTGCAGGAGTTTCTGCCACACAGCCT
 CTGTGCCATGCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_022626

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_022626.2](#), [NP_072148.2](#)

RefSeq Size: 4359 bp

RefSeq ORF: 3726 bp

Locus ID: 64561

Cytogenetics: Xq22

Gene Summary: catalyzes phosphatidylcholine (PC) synthesis; mediates maintenance of cell membrane PC homeostasis [RGD, Feb 2006]