

Product datasheet for MR220742

Phka2 (NM_172783) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Phka2 (NM_172783) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Phka2
Synonyms: 6330505C01Rik; D330034O08; Phk
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR220742 representing NM_172783
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGCGGAGCAGGAGCAATTCTGGGGTCCGCTGGACGGGTACGCGAGGCTGGTGCAGCAAACCATCCTGT
 GTTACCAGAACCCAGTCACTGGGCTGTTATCAGCCAGCCATGACCAGAAGGATGCCTGGGTACGGGACAA
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 GGCAGGTGGACAAAGTGGAGAAGTTCAAGCACACTCAGAGTACCAAGGACAGTCTACATGCCAAGTACAA
 CACTGCCACATGTAGCACTGTGGTGGGTGATGACCAAGTGGGGCCACCTCCAGGTGGATGCCACCTCTCTC
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 CCATCCCACCAGACAAGGTGGATGAAGAGTATAAAGATCCACACACAGTAGACCGAGTCCACTGGGAAA
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AATATGAAATTGAGTGGTCGACCGTATCGGCACATTGGTGTCTTGGCACCTCTAAACTCTATGTGATTA
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TCATGGTACTGACTCTGCTCTCAGATACCGAAATGGACAGTATCGGGGGCATCATCCATGTGGACCAGAT
AGTGCAGCTGGCCATCAGCTGTTCTGCAGGACCAGGTGTCATTTGGAACACAGACATCCTGGAAAAA
GACCAAGCCACAGGAATTTGCCACCTCTTTTATGACAGTCTCCTAGTGGGGCTTATGGTACAATGACCT
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR220742 representing NM_172783
 Red=Cloning site Green=Tags(s)

MRSRSNSGVRLDGYARLVQQTILCYQNPVTGLLSASHDQKDAWVRDNIYSILAVWGLGMAYRKNADRDED
 KAKAYELEQNVVKLMRGLLQCMMRQVDKVEKFKHTQSTKDSLHAKYNTATCSTVVGDDQWGLQVDATSL
 FLLFLAQMTASGLRIIFTLDEVAFIQNLVFYIEAAYKVADYGMWERGDKTNQGIPELNASSVGVAKAALE
 AIDELDLFGAHGGRKSVIHVLPDEVEHCQSILF SMLPRASTSKEIDAGLLSII SFPAFAVEDVNLVNVTK
 NEIISKLQGRYGCCRFLRDGYKTPREDPHRLHYDPAELKLFENIECEWPVFWTYLIIDGIFNGDAVQVQE
 YREALEGILIRGKDGIIHVLPEL YAIPDPKVD E EYKNPHTVDRVPLGKLP H L W G S L Y I L S S L L A E G F L A T
 GEIDPLNRRFSTSVKPDVVVQVAVLAENSHIKGLLKEHGTVQSIADVHP IRVQPGRILSHIYAKLGRNK
 NMKLSGRPYRHIGVLGTSKLYVIRNHIFTFPQFTDQHFFYLALDNEMIVEMLR IELAYLCTCWRMTGRP
 TLTFFPVTHMLTNDGSDIHPAVLSTIRKLEDGYFGGARVKLG N L A E F L T T S F Y T H L T F L D P D C E K L F G D
 ITDRSFPDSEPD LGGYLEDSSPQESQDEL DQYI SHLLQSTSLKCYLPPLCKKSEDSHFFSAIHSTRDIL
 SVMAKAKGLETTFFPMILPTKVL SGHRKSLNLVDSPPQLLKTTP EYDQWPRDDHDEV DCEKLVGQLKDC
 SNLQDQADILYILYVMKGP RWDNLFGQHGVTVHSL L S E L Y G K A G L N Q E W S L I R Y I S G L L R K K V E V L A E A
 CADLLSHQKQLTVGLPPEPREKTI STPLPPEELTELIYEASGQDISIAVLTQEIVVYLAMYVRAQPSLFA
 EMLRLRIGLI IQVMATELARSLNCSGKEASESLMNLSPFDMKSL L H H I L S G K E F G V E R S V R P I H S S M S S P
 AISIHEVGHGTGATKTERSGITRLRSEMKNRRASADEQFFPLGQTMSNSLHSIKSVRSSTPSSPTGTSS
 TDGGGQHLGWGEQQGQWLRRRRLDGA INRVPVGFYQKVWKILQKCHGLSIDGYVLPSTTQEMTPCEIKF
 AVHVESVLNRVSQPEYRQLLVEAIMVL TLLSDTEMDSIGGI IHVDQIVQLANQLFLQDQV SFGTTDILEK
 DQATGICHLFYDSAPSGAYGTMTYLT KAVASHLQELLPSGGCQMQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9097_e07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

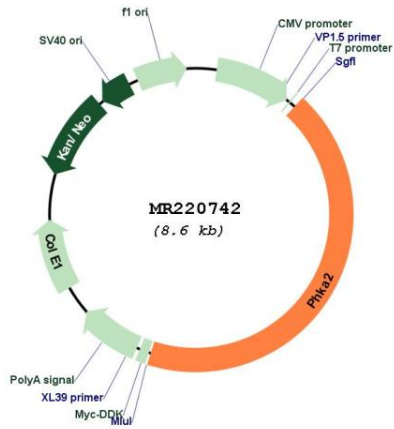


ACCN: NM_172783

ORF Size: 3705 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none"> 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_172783.4
RefSeq Size:	4714 bp
RefSeq ORF:	3708 bp
Locus ID:	110094
UniProt ID:	Q8BWJ3
Cytogenetics:	X 73.95 cM
MW:	138.5 kDa
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]

Product images:



Circular map for MR220742