

## Product datasheet for MR226483

### Phka1 (NM\_008832) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Phka1 (NM_008832) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Phka1
Synonyms:	5330411D17; 9830108K24Rik; Phka
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR226483 representing NM_008832 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGGATCGCC**

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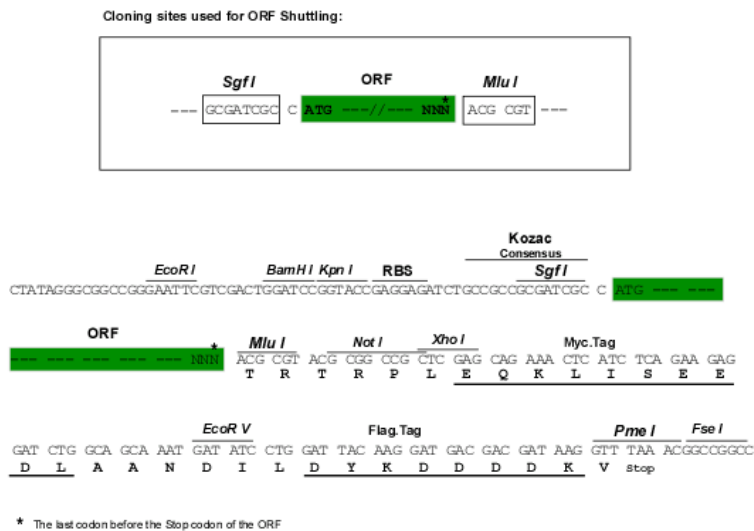
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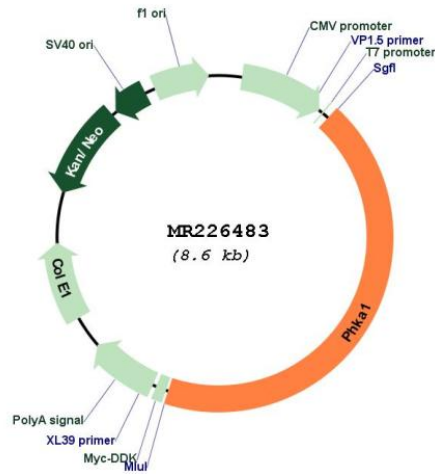
Protein Sequence: >MR226483 representing NM\_008832  
 Red=Cloning site Green=Tags(s)

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 KAKAYELEQSVVKLMRGLLHCMIRQVDKVESFKYSQSTKDSLHAKYNTKTCATVVGDDQWHLQLDATSV  
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 ALDELDFGVKGGPQSVIHVLADEVQHCQSILNSLLPRASTSKEVDASLLSVVSFAFAVEDSHLVELTK  
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 LKETSSLQEADILYMLYSMKGPDWNTELYEEGATVRELLSELVYKVG EIRHWGLIRYISGILRKKVEA  
 LDEACTDLLSYQKHLTVGLPPEPREKTI SAPLPYEALTKLIDEASEGMSISTLTQEIMVYLAMYRTQP  
 GLFAEMFRLRIGLIIQVMATELAHSLRCSAEEATEGLMNLSPSAMKNLLHHILSGKEFGVERSVRPTDSN  
 VSPAISIHEIGAVGATKERTERTGIMQLKSEIKQVEFRRLSVSMESQTSGGHPSGVDLMSPSFLSPAACIAA  
 SSGSFPTVCDHQTSKDSRQGWQRRLD GALNRVPIGFYQKVKWILQKCHGLSVEGFVLPSSTTREMTP  
 GEIKFSVHVESVLRNPQPEYRQLLVEAILVLTMLADIEIHSIGSIIAVEKIVHIANDLFLQE QKTLGAD  
 DTMLAKDPASGICTLLYDSAPSGRFGTMTYLSKAAATYVQEF LPHSLCAMQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI  
 Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_008832

**ORF Size:** 3723 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:**

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

**MW:** 139.3 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]