

Product datasheet for **MR226366**

Prph (NM_013639) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prph (NM_013639) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prph
Synonyms:	Prph1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR226366 representing NM_013639
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCATCTTCCGCCAGCATGAGCCATCATCACTCGTCGGCCTGCGGTCCAGCATCAGCTCCACCTCGT
 ACCGCCGACCTTTGGGCGCCGCCCTCACTGTCCCCGGGGCTTCTCCTACTCGTCCAGCTCTCGCTT
 CTCAGCAGCCGCTGCTGGGCTCGGGTCCCCGAGCTCCTCGGCGGGTGGGAGCTTCCGTGCCCT
 CGAGCGGGGCACTGCGCTTGCCTCGGAGCGCTCGATTTCTCCATGGCCGAGGCCCTCAACCAAGAGT
 TCCTGGCCACTCGGAGCAACGAGAAGCAAGAGTTACAGGAGCTCAACGACCGCTTCGCCAATTCATCGA
 GAAGGTGCGCTTCTGGAGCAGCAGAACGAGCCCTGCGCGGGGAGCTGAGCCAGCGCGGGGCCAGGAG
 CCGGCGCGCGCCAGCAGCTTTCAGCAGGAGCTGCGGAGCTGCGGCGCAACTGGAGCTGCTGGGCC
 GGGAGCGCACCAGGTGCAGGTGGAGCGGGACGGCTGGCGGAGGACCTAGCGGCGCTCAAGCAGAGTT
 AGAAGAAGAAACCCGCAAGCGGGAGGATGCGGAGCACAACCTGGTCTTCCGTAAAGAGCTGGAGCAG
 GCCACTCTGTCCGCTAGAACTGGAGCGCAAGATTGAGTCTCTGATGGATGAAATTGAGTCTCTCAAGA
 AGCTACACGAAGAGGAATTCGAGACCTGCAGGTGAGCGTAGAGAGCCAGCAGGTGCAGCAGGTGGAGT
 AGAGGCAACAGTGAAGCCAGAGCTGACGGCGCGCTGAGGGACATCCGTGCACAGTACGAGAATCGCG
 GCAAAGAATCTGCAGGAGGCAGAGGAGTGGTATAAGTCGAAAGTGCAGAGCATTGGGGAAACCTGGGG
 GACCAAGGGTGGGAGGCACTGGGAATGGCGGTGCGCATCCAGCCGGGCTTGTCTGCTACCGCGCAGTA
 TGCTGACCTGTGCGACGCCGCAACCGCAACCATGAGGCCCTACGCCAGGCAAGCAAGAGATGAACGAG
 TCTCGAGCTCAGATCCAGAGTCTGATGTGCGAGGTGGATGGGCTGCGAGGCACGAATGAGGCGCTGCTCA
 GACAGTGCGGGAGCTGGAAGAGCAGTTCGCCCTGGAGGCTGGAGGTACCAAGCAGGCGCAGCAGCGCT
 GGAGGAAGAGCTTCGACAGCTGAAGGAAGAGATGGCGAGGCACCTGCGAGAGTACCAGGAGCTCCTTAAC
 GTCAAGATGGCCCTGGACATCGAGATAGCCACCTACAGGAAGCTACTGGAAGGGAGGAGAGCCGGATCT
 CAGTGCCGGTTCATTCTTTGCCTCTCTAAGTTTAAAGACGACTGTGCCTGAGATGGAGCCTCTCCAGGA
 TAGCCACAGCAAGAAGATGGTTCTGATCAGGACAATTGAGACCCGGGATGGGGAGAAGGTGGTGACAGAG
 TCCAGAAGGAACAGCACAGTGCCTGGACAAGTCTTCTATCCACAGCTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226366 representing NM_013639
 Red=Cloning site Green=Tags(s)

MPSSASMSHHSSGLRSSISSTSYRRTFGPPPSLSPGAFSYSSSRFSSSRLLGSGSPSSARLGSFRAP
 RAGALRLPSERLDFMAEALNQEFLATRSNEKQELQELNDRFANFIEKVRFLQQAALRGELSQARGQE
 PARADQLCQELRELRLRELELLGREDRVQVERDGLAEDLAALKQRLEEEERKREDAEHNLLVLFKRDVDD
 ATLSRLELERKIESLMDEIEFLKKLHEEELRDLQVSVESQVQVQVEVEATVKPELTAALRDIRAQYENIA
 AKNLQEAEEWYKSKVREHWGNPGGPRVGRHWERCASQPGLSATAQYADLSAANRNHEALRQAKQEMNE
 SRRQIQSLMCEVDGLRGTNEALLRQLRELEEQFALEAGGYQAGAARLEEELRQLKEEMARHLREYQELLN
 VKMALDIEIATYRKLLEGEESRISVPVHSFASLSLKTTPEMEPLQDSSKMMVLIRTIETRDGEKVVTE
 SQKEQHSDDLKSSIHVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1867_e08.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_013639

ORF Size: 1521 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

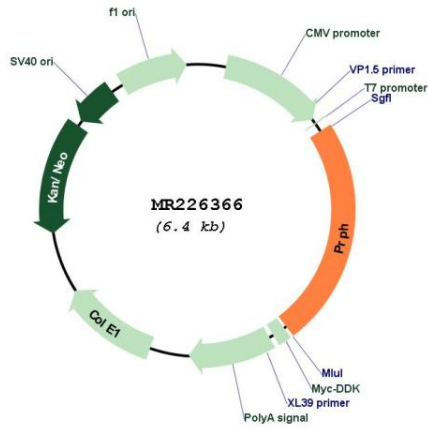
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_013639.2](#), [NP_038667.2](#)
 RefSeq Size: 1865 bp
 RefSeq ORF: 1524 bp
 Locus ID: 19132
 Cytogenetics: 15 55.72 cM
 MW: 58.3 kDa

Product images:



Circular map for MR226366