

Product datasheet for **RR217413**

Phf2011 (NM_001271439) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Phf2011 (NM_001271439) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Phf2011
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR217413 representing NM_001271439
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGAGTAAAAAGCCCCAAACCGTCCTGGAATCACTTTTGAGATTGGTGCTCGTTGGAGGCACTCGACT
 ACTTACAGAAATGGTATCCATCACGAATTGAAAAATTGATTATGAAGAAGGGAAGATGCTAGTTCATTT
 TGAGCGCTGGAGTCATCGTTATGATGAGTGGATTTATTGGGATAGCAACAGGTTGCGACCCCTTGAAGA
 CCTTCACTAAGAAAAGAAGGGCTAAAGGACGAGGAAGATCTTTTTGATTTTAAAGCTGGAGAAGAAGTTC
 TGGCTCGTTGGACAGACTGTCGCTATTACCCTGCCAAGATTGAAGCAATAAACAAGAAGGAACATTAC
 AGTTTCAGTTTTATGATGGCGTAATCCGTTGTTTAAAAGAATGCACATTAAGCCATGCCTGAGGATGCT
 AAGGGGCAAGTGAATCCAGCATCCACTAAGCTGGTGTGCTCTATCGACCCAGCTGGATCGTGTAAAC
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 AGGGTCTAAACCTCGAACAGTGTAAACAGCAATAAAGAGAAAGAGAGATGGGGGAAATGGTTCAA
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 CACATTAACAAACAAGAGGAAAAATAATCAAGGCAACTATTTCAGGCAAAGAGACCCGACTTAACAAG
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 AAGTAGTGAGTGTAAAAGGAGCTGCAGCAGCTACAGGAATATTGAAAACAGAAAAAAAAGTGAATTT
 GGAAGAAAAACCTCCACTGCATTTGGTAAAAGGAAAAGGATAAAGGAGAAAAAGAGAAGCGAGAC



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AAAGATCACTACAAACCAAGCAGAAGAAAAAGAAGAAGAAGAAAAATCTAAACAGCAGACTATT
 CGGACTACGAAGACAGTTCCTTGACTTTTTGGAAAGGTGTTCTTCTCCACTAAGTAGATCTTCTGGGAG
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 TGAGTGGGGATGAGTACAACCAAGACTTTGATTCACCTAATTTTGAGGAGTCTCAGGATGAAGATGATGC
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 TGCCTATGCTGGCAGCACAGTGTGTGCATGGGGCTTCTGGAGGACAGCATTCCGGAGCAGTACACTGTCT
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 CGGAAGAATGTATGGGTTATCTTTTGTAAAAGAAAATTATTCTCATCTCAATGCCAAAAAATAGTTTCC
 ACACACCATCTTCTTGCTGATGTCTATGGTATAACTGAAGTACTGCATGGATTGCAGCTCAAGATTGGAA
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 GCAAAGTACAACAAATTGCAACTCTTGGCTCTGTA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR217413 representing NM_001271439
 Red=Cloning site Green=Tags(s)

MSKKPPNRPGITFEIGARLEALDYLQKWYPSRIEKIDYEEGKMLVHFERWSHRYDEWIYWDSNRLRPLER
 PSLRKEGLKDEEDLDFDKAGEEVLARWTDCRYYPKIEAINKEGTFVQFYDGVIRCLKRMHIKAMPEDA
 KGQVKSQHPLSWCCPIDPAGSNCQSMGSEDWIALVKAAAAAAKNKTGSKPRTSANSNKEKERDGGKWFK
 VPSKKAETSTCIVTAEIEKKEELPTSSEPFGLHIDSVPKIVFPQPESTLTNKRKNNQGNFSQAKRARLNK
 ITGLLASKAVGVDGAEKEDCSATAPVLEQAI SPKPQSQKNEAVISSANTQKPALLSSTLSSGKARSK
 KCKHESGESSGCIKAPKSPLAPELIQAKDLTLVSQLSSVINKTSSPQPVNPPRPCKHSERRRRSQRLATL
 PMPDSSLEKLSSSSSATDGKVFVSISSQNQQESSVPEVPAIAYVPLQKLGPCPLDLSCGSEVTGSQAPDS
 SYPGGECPREEKEETPLFANPTSKVVSDVKGAAAATGILKTEKKVKLEEKSTAFGKRKEKDKERKEKRD
 KDHYKPKQKSKKSKQHDYSDYEDSSDLFLERCSSPLTRSSGSSLAPRSTFTEKTTTYQYPRAILS
 VDLSGENLSDVEFLDDSSLESLLL SGDEYNQDFDSTNFEESSQEDDALNEIVRCICELDEENGFMIQCEE
 CLCWQHSVCMGLLEDSEIPEQYICYICRDPGQRWNAKYRYDKEWLNNGRMYGLSFVKENYSHLNAKKIVS
 THHLLADVYGITEVLHGLQLKIGILKKNKHPDLRLWAYSGKRKQDQVVAERKIVLQDTANSEGRKYV
 QNHKEPPLKMEETYITSEHSYQKQSFSDQCHSLTDPGSSDDDDVSSFEEDGELHVADNSHLLYSVKERG
 VSEKNPASENKVFVYNDKKGMEGPGDAHLQWQLNLLTHIENVQNEVTSRMDLIEKEVDVLESWLDFTGEL
 EPPDPLARLPQLKRHIKQLLLDMGKVQQIATLCSV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

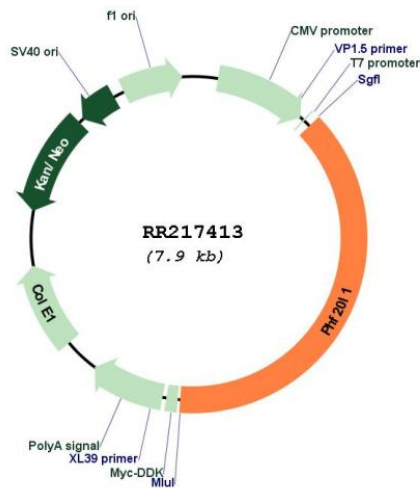
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001271439
 ORF Size: 3045 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_001271439.1 , NP_001258368.1
RefSeq Size:	6648 bp
RefSeq ORF:	3048 bp
Locus ID:	314964
UniProt ID:	Q4V9H5
Cytogenetics:	7q34
MW:	114.1 kDa