

Product datasheet for **RR207400**

Phf19 (NM_001106570) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phf19 (NM_001106570) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Phf19
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR207400 representing NM_001106570
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGACGCAAGCTCTGGAACCAAGGACTCAGGAAGCCTTTGGTGCACCAGCCCTAACAGGGGGCCC
 CGTCTAAGACCAAAAAGAACTTCAAAGACTTGATGTCTAAGGTGACAGAGGGACAGTTTGTGCTATGCCG
 GTGGACTGACGGGCTATACTACCTTGGCAAGATCAAGCGGGTCAGCAGTCTTAAGCAAAGCTGCCTCGTG
 ACTTTTGAAGACAATTCCAAATACTGGGTCTTTGGAAGGACATCCAGCATGCTGGTGTCCAGGAGAGG
 AGCCCAAGTGTGATGTCTGCATGGGGAAGACTTCAGGACCGATGAACGAGATCCTCATCTGTGGGAAGTG
 TGGCCTGGGTTACCACCAACAGTGCCACATCCCCATAGCAGTCGATGCCAACTGGCCCTCTCACTCAC
 TGGTTCTGCCGACGCTGCATTTTCGCACTGGCTGTGAGGAAAGGCGGTGCGCTGAAGAAAGGCGCCATCG
 CCAAGACGCTGCAGGCAGTGAAAATGGTGTCTCTACCAGCCTGAGGAGCTCGATTGGGATTCGCCCA
 TCGCACCAACCAGCAGCAATGCTACTGCTACTGCGGCGGGCTGGAGAGTGGTACTTACGGATGCTACAG
 TGCTACCGGTGTAGGCAGTGGTTCATGAAGCCTGTACACAGTGCCTAAGTGAGCCTATGGTGTGGAG
 ACCGGTCTACCTGTTCTCTGCTCCGTGTGTAACCAAGGCCAGAGTATATCGAGAGGTTGCCCTGAG
 ATGGGTAGACATAGTTACCTGGCCCTCTATAACCTGGGAGTACAGAGCAAGAAGAGGTACTTCGACTTT
 GAGGAGATCCTGGCCTTTGTCAACCACCACTGGGAGCTCTGCAGCTTGGCAAGCTCACGAGCACCCCTG
 TGACAGAGCGAGGGCCGCATCTCTCAACGCTCTCAACAGTTACAAAAGCCGGTCTCTGTGTGGCAAGGA
 GATTAAGAAGAAGAAATGCATCTCCGACTGCGCGTCCGTGTCCCGCCCGCCCTCCAGGAAAATGCTT
 CCGGACAGGGCACAGATGCCAAGTGACAAAGGGACCTTTGAGCTGCTTCGTAAGAGAGGAAAGAGCAAGC
 CTGGTTTGTTCCTCAGGAATCCAGCAGCAGAAAAGGGGAGTTTATAGAAGAAAAGATCAAAGTTT
 GCTGGAAGATGCTATCCAGTAGTGACTTACCTCAGCCTGGAGCACGGACCACCACCTGGCCAGCATA
 TTCGACTTTACTGATGAAATTCAGAGTTTAAAAAGTGGCAGCTCAGGCCAGACCTTCTCTCAGACG
 TGGATTCTACCGATGCTGCTAGCACCTCAGGCTCTGCGTCCACCAGCCTCTCCAGGACTCCAGATGGAC
 AGTAGGCAGCCGTAAGAGGAAGCTGGCGGCCAAAGCGTACAGGCCCTGCGGGCAAAGCATCGGGCAGCC
 GAGCCGGATGGGAGATGCGCCTCAGACAGCAGTGCAGAGGGAGCTCCGGGCCCTGAGCAGCAGGATGAAG
 GCATCGACAGCCACAGTTCGAAAGCATCAGTGGAGATGACTCCTCCCTGTCCCATCTCAAGTCTCTAT
 CACCAACTACTTCGGTGCAGCTGGCGGTTGGCCTGCGGGGAAAAGTATCAGGTGTTGGCTCGGAGGTC
 ACTCCAGAAGGCAAGGTTCACTGTTGGAATGGGAGGGCACTACCCCTTAC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR207400 representing NM_001106570
 Red=Cloning site Green=Tags(s)

METQALEPGTQAEFGATSPNKGAPSKTKKNFKDLMSKVTEGQFVLCRWTDGLYYLGKIKRVSSPKQSCLV
 TFDNSKYWVWLWKDIQHAGVPGEEPCKDCVMGKTS GPMNEILICGKCGLYHQCHIPIAVDANWPLLTH
 WFCRRCIFALAVRKGGALKKGAIAKTLQAVKMLVSYQPEELDWDSPHRTNQQQCVCYCGGPGEWYLRMLQ
 CYRCRQWFHEACTQCLSEPMVFGDRFYLFCSVCNQGPEYIERLPLRWVDIVHLALYNLGVQSKKRYDFD
 EEILAFVNHHWELLQLGKLTSTPVTERGPHLLNALNSYKSRFLCGKEIKKKKCFRRLRVRVPPAPPKLL
 PDRAQMPDSDKGFELLRKRKSKPGLLPQESQQKRRVYRRKRSKFLLEDAIPSSDFTSAWSTDHHLASI
 FDFTLDEIQSLKSGSSGQTFSDVDSTDAASTSGSASTSLSQDSRWTVGSRKRKLAAKAYRPLRAKHRAA
 EPDGRCASDSSAEGAPGPEQQDEGIDSHTFESISGDDSSLSHLKSSTITNYFGAAGRLACGEKYQVLRARR
 TPEGKVQYLLEWEGTTPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

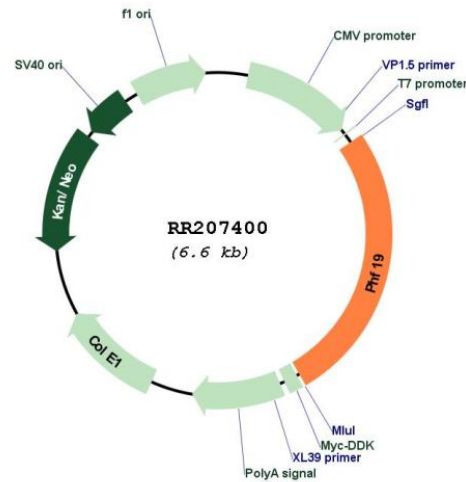
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM_001106570

ORF Size:	1734 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_001106570.1 , NP_001100040.1
RefSeq Size:	3789 bp
RefSeq ORF:	1737 bp
Locus ID:	296653
Cytogenetics:	3p11
MW:	65.2 kDa