

Product datasheet for **RR207502**

Phf20 (NM_001107795) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Phf20 (NM_001107795) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Phf20
Synonyms: RGD1305020
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR207502 representing NM_001107795
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCAAGCACCCACCTAACAGACGAGGAATCAGCTTTGAAGTGGGAGCCCAGTTGGAAGCCCGGGACC
GTTTAAAAAACTGGTATCCGGCTCATATTGAAGACATTGACTACGAAGAAGGGAGAGTCCCTATCCATTT
CAAGCGGTGGAACCATCGTTACGATGAGTGGTTTTGTTGGGACAGTCCTTATCTGCGTCTTTAGAGAAG
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TTGCTTGCTGGTCTGACTGTCGATTTTATCCAGCCAGAGTCACTGCTGTGAACAAGGATGGTACTTACAC
TGTGAAATTTTATGATGGAGTAGTTCAAACGTCAAACATATTCATGTCAAAGCTTTTTCCAAAGATCAG
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CCCGAAGCGGATCTCGGCCAGCTCCCCAACTGCCAAAGAGAAGGAAAAGAATAAAGAGAAGAAATTC
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 CTGGCCAGGCTCCACAGCTCAAGCATTGCATCAAGCAGCTGTGACTGACCTGGCAAGGTGCAGCAGA
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ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGAT AAGTTTAA

Protein Sequence:

>RR207502 representing NM_001107795
 Red=Cloning site Green=Tags(s)

MTKHPPNRRGISFEVGAQLEARDRLKNWYPAHIEDIDYEEGRVLIHFKRWNHRYDEWFCWDSPLYLRPLEK
 IQLRKEGLHEEDGSSEFQINQQVLACWSDCRFYPARVAVNKGDTYTVKFYDGVVQTVKHIHVKAFAFKDQ
 NIVGNARPKETDHSLSSEKREKFKERKATVNVKKNQVEKALKTEKRPKPPDKEGLTCPEKGRVSE
 KSLPKNEKEDKENISENEREYSGDAQVDKPEKDLVKSPQETLKEPKRKRGRPPSITPTAVDSNSQTLQP
 ITLELRRRKISKRSDTPLKRPRLDKNSSQEQSKRSENSDKDLRRRSSRLSTNGTRETLDPLIVPDLV
 HTVDTNPLQDKSPSAKESAEGQLESPLAAGQVSSAL TCHPIGDGLGAADLELNCKSMGENTMKTEPVSP
 AEVQEDSAAEVPNTLKKAGDFVKLHAPVDLDHKFRCKVVDCLKFFRKAKLLHYHMKYFHGMEKSPEPED
 GSGRTHVQTRGSTVDPKASQESLPRKRISASSPTAKEKEKNKEKFKELVRVKPKKKKKKKKTKPEPC
 SEDISDTSQEPSPPKTFVAVTRCGSSHKPAVHMSPQLHGSDTGNHKGKLLKACEEDNLSESSSESFLWSDEE
 YGQDQDVTNTPDEELEGGDDRYDFEVVRCICGVQEENDFMIQCEECQWQHGVCMLLEENVPEKYTCYVC
 QDPPGQRPQFKYWDKEWL SRGHMGLAFLEENYSHQNAKKIVATHQLLGDVQRVIEVLHGLQLKMSILQ
 SREHPDLQLWCQPKQHSGEGRAHSRHIHITDARSEESPSYRTLNGAVEKPSLPRSVESYITSEHCYQ
 KPRAYYPAVEQKLVVETRGALDDAVSPLCENGDDPLSPRLGWPIDQDRSRGIDPKPSSPKVRECIPK
 VLLLEETPARKLLDRGEGLVSSQHQQFNLLTHVESLQDEVTHRMDSIEKELDVLESWLDYTGELPEP
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

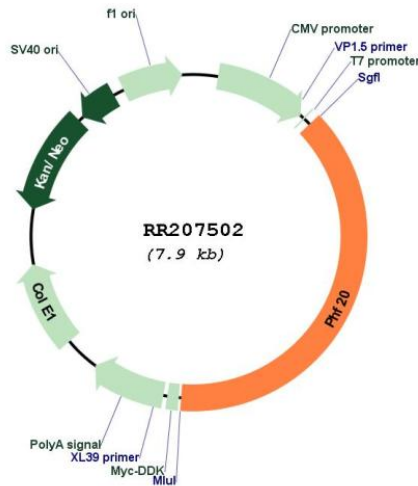
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107795

ORF Size: 3030 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](#)

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|-------------------------------|---|
| 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: | <u>NM_001107795.1</u> , <u>NP_001101265.1</u> |
| RefSeq Size: | 4749 bp |
| RefSeq ORF: | 3033 bp |
| Locus ID: | 311575 |
| Cytogenetics: | 3q42 |
| MW: | 115.1 kDa |