

Product datasheet for **RR210185**

Phf10 (NM_001024747) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phf10 (NM_001024747) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Phf10
Synonyms:	BAF45a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR210185 representing NM_001024747
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGTT**CAGGG**ATAGTTCAAGAAGTT**GCGAG**ACTTCAAGTCAAGATCTTAGCTT**CAGTTACT**ACCCAG
 CAGAAA**CTTAAT**AGAATACAAAT**TGCCAC**CTGATGAAACAGGAGA**ATACTACAT**GCTT**CAGGAG**CAAGT
 CAGTGAATATCTGGTGT**GACCTC**CTTCAAGCGGAAATATCCAGATTTAGAGCGACGAGATTTATCTCAC
 AAGGAGAA**ACTGTAC**CTGAGAGAATTAAC**GCATC**ACGGAACACAGTGCACACTAGGTTTAACAGCAT
 TGCGCAGT**GATGAAG**TATTGACTTAATGATAAAAGAAATCCAGCTAAACACGCTGAATATTCTGTTAT
 TCTACAAGAAAAGGAAC**CTCAGAGA**ATTACAGATCATTATAAAGAGTATTCTCAAATGCAGCAACAGAGT
 ACTCAGAAAGT**CGAAGCC**AGCAAAGTGCCTGAGTACATTAAGAAAGCCGCAAGAAGGCAGCAGAGTTTA
 ACAGCA**ACTTAA**ACCGGGAGCGCATGGAAGAAAGAAGAGCGTACTTTGACTTGCAGACGCATGTCATCCA
 AGTGCCTCAAGGGAAGTACAAAGT**GTTG**CCAACAGACCGAACGAAGGTCAGTTCTTATCCAGTGGCTCTC
 ATCCCCGGG**CAGTTCC**AGGAGTACTATAAGAGG**TA**CTCACCAGATGAGCTTCGGTACTTGCCATTAACA
 CAGCCCTGTATGAGCCG**CCCTG**GACCCAGAGCTCCCGGCACTAGATAGT**GATGG**AGACTCAGATGACGG
 TGAAGACGGTGGAGGGGATGAGAAGCGGAAGAATAAAGGCACTTCGGACAGCTCCTCAGGCAATGTGTCT
 GAAGGAGACAGCCCCCTGACAGCCAGGAGGACACCTTCCAGGGAAGACAGAAATCAAAAAGACAAAATGG
 CCACGCCAAGAAAAGACGGCTCCAAACGTTCTGTACTGTCCAATCAGTTCCTGGGTACAAGCCAAAGGT
 CATTCAAATGCTCTATGTGGAATTTGTCTGAAGGTAAGGAGTCCAACAAGAAAGGAAAGGCTGAATCA
 CTTATACACTGCTCCAGTGTGATAACAGTGGCCACCTTCTTGCTTGGATATGACCATGGAGCTTGT
 CTATGATTAAGACCTACCATGGCAGTGTATGGAATGTAAGACATGCATTATATGTGGACGCCCAACCA
 TGAAGAAGAAATGATGTTCTGTGATGTGTGACAGAGTTATCATACTTTTTGTGTGGCCTTGGTGTCT
 ATTCCATCAGGT**CGTGG**ATTTGTGACTGTTGT**CAGC**AGCTCCCCAACACCCAGGAAAGTGGGCAGAA
 GGGGAAAAACAGCAAAGAGGGG

ACGCGTACGCGGCCGCTCGAGCAGAA**ACTCAT**CTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

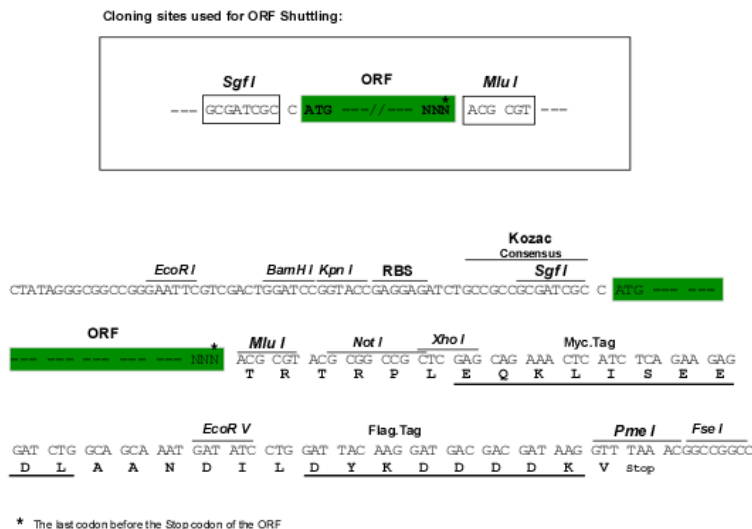
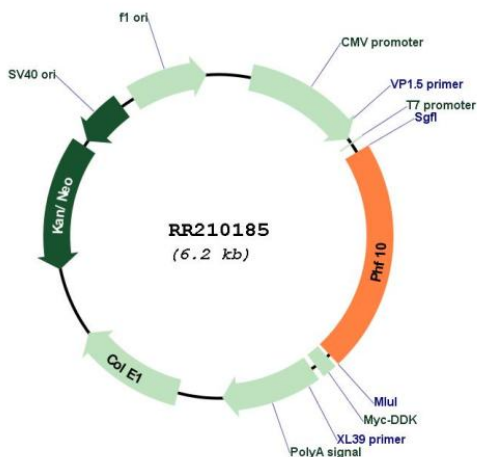
>RR210185 representing NM_001024747
 Red=Cloning site Green=Tags(s)

MGSGDSSRSCETSSQDLFSFYPAENLIEYKWPPDETGEYYMLQEQVSEYLGVTSFKRKYPDLEERRDL
 KEKLYLRELNVTETQCTLGLTALRSDEVIDLMIKEYPAKHAEYSVILQEKERQITDHYKEYSQMQQSS
 TQKVEASKVPEYIKKAAKAAEFNSNLNRERMEERRAYFDLQTHVIQVPQKQYKVLPTDRTKVSSYPVAL
 IPGQFQEYKRYSPDELRYLPLNTALYEPPLDPELPAALDSDGSDDGEDGGGDEKRKNKGTSDSSGNVS
 EGDSPDSQEDTFQGRQKSKDKMATPRKDGSKRSVLSKSVPGYKPKVIPNALCGICLKKGESNKKGAES
 LIHCSQCDNSGHPSCLDMTMELVSMIKTYPWQCMECKTCIICGQPHHEEEMMFCDVCDRGYHTFCVGLGA
 IPSGRWICDCCQAPPTPRKVGRRGKNSKEG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001024747

ORF Size: 1353 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_001024747.2](#), [NP_001019918.2](#)

RefSeq Size: 1644 bp

RefSeq ORF: 1356 bp

Locus ID: 292404

Cytogenetics: 1q12

MW: 51.2 kDa