

Product datasheet for MR211469

Phf20 (BC060121) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phf20 (BC060121) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Phf20
Synonyms:	6820402020Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211469 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGACCAAGCACCCACCTAACAGACGAGGAATCAGCTTTGAAGTGGGAGCCAGTTGGAAGCTCGGGACC
GTTTAAAAAACTGGTATCCAGCTCATATTGAAGACATTGACTACGAAGAAGGGAGAGTTCTCATCCATTT
CAAGCGTTGGAACCATCGTTACGATGAGTGGTTTTGCTGGGACAGTCCTATCTGCGCCCTTTAGAGAAG
ATCCAGCTGAGGAAAGAGGGTTTACATGATGAGGATGGCTCTTCTGAATTTCAAATAAACAGCAAGTGC
TTGCTTGCTGGTCTGACTGTCGATTTTATCCAGCCAGAGTCACTGCTGTGAACAAGGATGGTACTTACAC
TGTGAAATTTTATGATGGAGTAGTTCAAACGTCAAAACATATTCATGTCAAAGCTTTTTCCAAAGATCAG
AATATTGTGGTAATGCTAGGCCTAAAGAAACAGACCACAAAAGTCTTTCATCGTCTCCTGAGAAACGAG
AGAAGTTTAAAGAACAGAGAAAAGTACCGGTCAATGTGAAGAAAGACAAAGTGGAAAAAGCCTTAAAGAC
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ATGCCAGGTGGAAAAGAAGCCTGAGAAGGACCTTGTGAAGAACCACAAGAGAACCTGAAGGAGCCAAA
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GTCTCCAGGCTGTCCACTAATGGGACCCGTGAGATCCTAGATCCTGACTCGATTGTACCTGATCTGGTT
CATACGGTTGATACAAACCTCTACCAGACAAGTACCCAGTGCCAAGGATTCTGCTGAAGGTGAGTTGA
AGTCTCCATTGGAAGCTGGCCAGGTCTCTTCTGCATTAACCTGCCACCCATTGGGGATGGCCTGGGGGC
AGCAGATTTGGAGTTGAATTGCAAGTCAATGGGAGAAAACACGATGAAAACAGAACCTGTTTCTCTCTT
GCTGAGGTGCAGGAAGTTTCACTGTTGAAGTTCCAAATACTTTGAAGAAAGTTGATGACTCTGTGACGT
TGAATGTGCCAGCTGTGGACCTAGACCACAAGTTTCGATGCAAGGTTCTGGACTGTTTGAATTTTTCCG
CAAGGCTAAATTGCTGCACTATCATATGAAGTATTTCCATGGGATGGAGAAGTACCAGAGCCAGAGGAG



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GGCCCAGGGAAGACGCATGTACAGACTCGGGGCTCTGCGGTGCCTGACAAGACAAGCCAGGAGAGCCTAA
 CCAGGAAGCGGGTCTCTGCCAGTCCCCACTGCAAAAGAGAAGGAAAAGACTAAAGAGAAGAAATCAA
 AGAACTTGTGAGAGTGAAGCCAAAGAAGAAGAAATTCAAAGAAGTGTGAGAGTGAAGCCAAAGAAGAAA
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 GGAGTCCCTGCAGGATGAGGTGACGCACCGGATGGACTCCATTGAGAAGGAGCTGGAGCTGCTGGAGAGC
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 TCAAGCAGCTGCTGACTGACCTGGCAAGGTGCAGCAGATCGCCCTCTGCTGCTCGACA

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211469 protein sequence
 Red=Cloning site Green=Tags(s)

MTKHPPNRRGISFEVGAQLEARDRLKNWYPAHIEDIDYEEGRVLIHFKRWNHRYDEWFCWDSPLYLRPLEK
 IQLRKEGLHDEDGSSEFQINQVLAWSDCRFYPARVTAVNKDGTYTVKFYDGVVQTVKHIHVKAFFSKDQ
 NIVGNARPKETDHSLSSEKREKFKQKVTVNVKDKVEKALKTEKRPKQPDKEGLICSEKGVSE
 KSLPKNEKEDKENISENEREYSGDAQVEKKPEKDLVKNPQENLKEPKRKRGRPPSITPTAVDSNSQTLQP
 ITLELRRRKISKRSDTPLKRPRLDKNSPQEQSKRSENSDKDLRRRSSRLSTNGTREILDPSIVPDLV
 HTVDTNPLPDKSPSAKDSAEGQLKSPLEAGQVSSALTCHPIGDGLGAADLELNCKSMGENTMKTEPV SPL
 AEVQEVSTVEVPNTLKKVDDSVTLNVPVDLDHKFRCKVLDCLKFRKAKLLHYHMKYFHGMEKSPEPEE
 GPGKTHVQTRGSAVPDKTSQESLTKRVSASSPTAKEKEKTKKFKELVRVKPKKKFKELVRVKPKKK
 KKKKKKTKPECPCSEDISDTSQEPSPKTFVAVTRCGSSHKPGVHMSPQLHGSDNGNHKGLKTCCEEDNLS
 ESSSESFLWSDEEYGDVDVTTNPDEELEGGDRYDFEVVRCICEVQEENDFMIQCEECQCQWQHGVCMGLL
 EENVPEKYTYCVQDPPGQRPFGFYWYDKEWLSRGMHGLAFLDQNYSHQNAKIVATHQLLDVQQRVIQ
 VLHGLQLKMSILQSREHPDLQLWCQPWKQHSGEGRAHPRHIHITDARSEESPSYRTLNGAVEKPSPLPRS
 VEESYITSEHCYQKPRAYYPAVEQRLVVEVTRGSALDAVSPLENGDDSLSPRLGWPIDQDRSRGIDPK
 PSSPKVREYISKVLPETPARKLLDRGGELVSSQHQQWFNLLTHVESLQDEVTHRMDSIEKELDVLES
 WLDYTGELPEPEPLARLPQLKHCIKQLLTDLGKVQQIALCCST

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC060121

ORF Size: 3069 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: [BC060121](#), [AAH60121](#)

RefSeq Size: 5665 bp

RefSeq ORF: 3071 bp

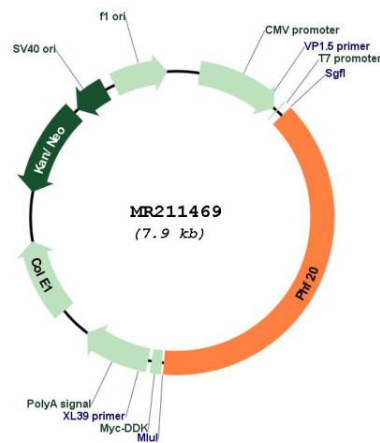
Locus ID: 228829

Cytogenetics: 2 H1

MW: 116.9 kDa

Gene Summary: Contributes to methyllysine-dependent p53/TP53 stabilization and up-regulation after DNA damage (By similarity). Methyllysine-binding protein, component of the MOF histone acetyltransferase protein complex. Not required for maintaining the global histone H4 'Lys-16' acetylation (H4K16ac) levels or locus specific histone acetylation, but instead works downstream in transcriptional regulation of MOF target genes. As part of the NSL complex it may be involved in acetylation of nucleosomal histone H4 on several lysine residues. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211469