

Product datasheet for RC237970

PHF23 (NM_001284518) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHF23 (NM_001284518) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PHF23
Synonyms:	hJUNE-1b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237970 representing NM_001284518 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCCGTGATTGTCTGGAGAGATCCACCTCCGACCCCTAAGCCAGAGACTCAGCCACCAGAGAAACGGC
GGAGAACAATTGAGGATTTCAACAAATTCTGCAGTTTTGTTTTGGCATATGCTGGTTACATTCGCCCTAG
CAAAGAGGAAAGTGACTGGCCAGCCTCTGGCTCCAGCTCTCCATTGCGAGGAGAGAGTGGCGCCGACAGT
GATGGCTGGGACTCGGCCCCCTCAGATCTTCGAACCATCCAGACTTTTGTAAAGAAAGCAAAGTCATCCA
AGAGAAGGGCAGCTCAAGCAGGTCCCACCCAGCCAGGACCCCAAGGTCCACTTTCTCTCGTCTGCAGGC
CCCCGACAGTGCTACCTTGCTTGAGAAGATGAAGCTCAAGGACTCTCTTTGATCTGGATGGGCCCAAA
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CCCTTTCCAGGGGACCTCTCCATCCTCCTCGAAAGAAGACCAGAAAGAAAGTTGGGGCCAGG
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ATCAAGAAGAGCAAGAAGCGGAAGTTAAAAAGGCAGAACGGGGGATAGACTCCACCTCCTGGGCCTC
CCCAGGCACCCCAAGTACAGACTCTGAAGAGGAGGAGGAAGAGGAGGAAGAAAGAAAGAA
GATGGCAACAGTGGTAGGGGTGAAGCCCCAGTCCCTGTGCTGCCAACCCCCCTGAGGCTCCTAGGCC
CCTGCCACAGTGACCCCTGAAGGAGTCCCTCCTGCTGACAGTGAAGCAAGGAGGTGGGCAGCACTGAAA
CAAGCCAAGATGGAGATGCCAGCTCCAGTGAAGGCGAGATGCGGGTCATGGACGAGGACATCATGGTAGA
ATCAGGTGATGACTCATGGGATCTGATCACATGTTACTGTGAAAGCCCTTTGCAGGGCGGCCCATGATT
GAGTGCAGCCTGTGTGGGACGTGGATCCACCTCTCCTGTGCTAAGATTAAGAAGACCAACGTCGCCGACT
TCTTTTATTGCCAGAAATGCAAGGAACTGAGGCCAGAGGCCCGGGGTTAGGGGGCCTCCCAAATCTGG
AGAGCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237970 representing NM_001284518
Red=Cloning site Green=Tags(s)

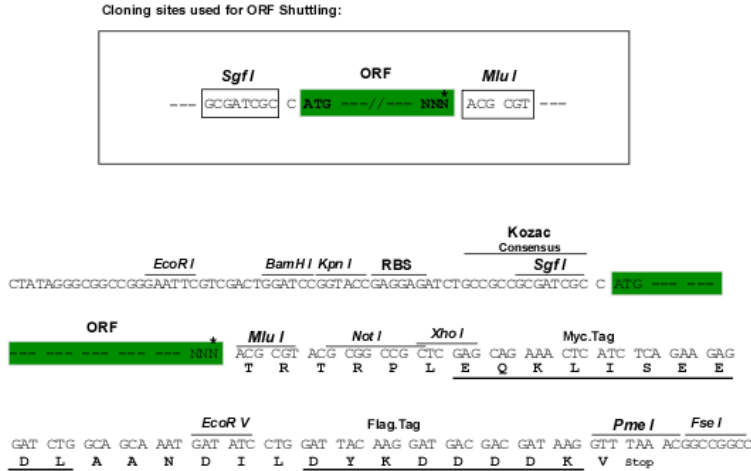
MPGDCRRDPPTLKPETQPPEKRRRTIEDFNKFCFVLAYAGYIPPSKEESDWPASGSSSPLRGESAADS
DGWDSAPSDLRTIQTFVKAKSSKRRAAQAGPTQPGPRSTFSRLQAPDSATLLEKMKLKDSLFDLDGPK
VASPLSPTSLTHTSRPPAALTPVPLSQGDL SHPPRKKDRKNRKLGPAGAGFGVLRPRPTPGDGEKRSR
IKKSKKRKLKAERGDRLPPGPPQAPPSDTDEEEEEEEEEEEEEEMATVVGGEAPVPLPTPPEAPRP
PATVHPEGVPPADSEKEVGSTETSDGDASSSEGEMRVMDIMVESGDSDWDLITCYCRKPFAGRPMI
ECSLCGTWIHLSCAIKKTNVPDFFYCQKCKELRPEARRLGGPPKSGEP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

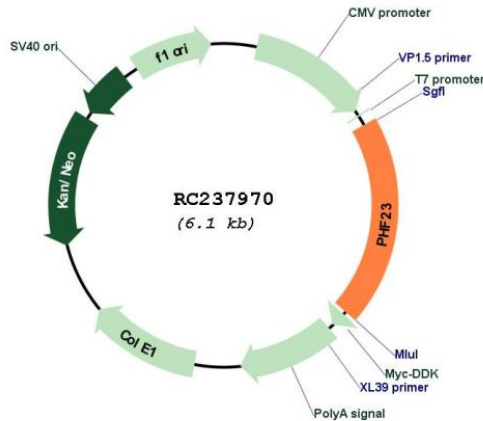
SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001284518

ORF Size:	1197 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_001284518.1 , NP_001271447.1
RefSeq Size:	1938 bp
RefSeq ORF:	1200 bp
Locus ID:	79142
UniProt ID:	Q9BUL5
Cytogenetics:	17p13.1
Protein Families:	Druggable Genome, Transcription Factors
MW:	43.9 kDa
Gene Summary:	Acts as a negative regulator of autophagy, through promoting ubiquitination and degradation of LRSAM1, an E3 ubiquitin ligase that promotes autophagy in response to starvation or infecting bacteria.[UniProtKB/Swiss-Prot Function]