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Product datasheet for RC237534

PHF23 (NM_001284517) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHF23 (NM_001284517) 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:	>RC237534 representing NM_001284517 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCTGGAAGCCATGGCGGAGCCCAGTCCCGAAGATCCACCTCCGACCCTTAAGCCAGAGACTCAGCCAC CAGAGAAACGGCGGAGAACAATTGAGGATTTCAACAAATTCTGCAGTTTTGTTTTGGCATATGCTGGTTA CATTCCCCCTAGCAAAGAGGCCCCCGACAGTGCTACCTTGCTTGAGAAGATGAAGCTCAAGGACTCTCTC TTTGATCTGGATGGGCCCAAAGTGGCATCTCCTTTGTCCCCCACATCCCTGACACATACCTCCCGGCCCC CTGCTGCTCTTACCCCCGTGCCCCTTTCCCAGGGGGACCTCTCCCATCCTCCTCGAAAGAAGGACCGAAA GAACCGAAAGTTGGGGCCAGGAGCTGGGGCTGGCTTTGGGGTGCTTCGGAGGCCTCGGCCAACTCCTGGG GATGGGGAAAAGAGATCTCGAATCAAGAAGAGCAAGAAGCGGAAGTTAAAAAAGGCAGAACGGGGGGATA GACTCCCACCTCCTGGGCCTCCCCAGGCACCCCCCAGTGATACAGACTCTGAAGAGGAGGAGGAAGAGGA GGAAGAGGAAGAAGAAGAAGAGATGGCAACAGTGGTAGGGGGTGAAGCCCCAGTCCCTGTGCTGCCAACA CCCCCTGAGGCTCCTAGGCCCCCTGCCACAGTGCACCCTGAAGGAGTCCCTCCTGCTGACAGTGAAAGCA AGGAGGTGGGCAGCACTGAAACAAGCCAAGATGGAGATGCCAGCTCCAGTGAAGGCGAGATGCGGGTCAT GGACGAGGACATCATGGTAGAATCAGGTGATGACTCATGGGATCTGATCACATGTTACTGTCGAAAGCCC TTTGCAGGGCGGCCCATGATTGAGTGCAGCCTGTGTGGGACGTGGATCCACCTCTCCTGTGCTAAGATTA AGAAGACCAACGTCCCCGACTTCTTTTATTGCCAGAAATGCAAGGAACTGAGGCCAGAGGCCCGGCGGTT AGGGGGGCCTCCCAAATCTGGAGAGCCC ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

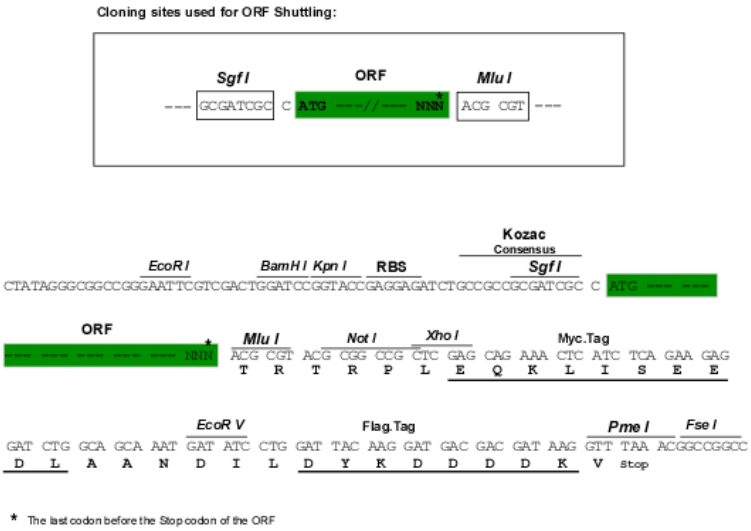
>RC237534 representing NM_001284517
Red=Cloning site Green=Tags(s)

MLEAMAEPSPEDPPPTLKPETQPPEKRRRTIEDFNKFCSFVLAYAGYIPPSKEAPDSATLLEKMKLKDSL
FDLDGPKVASPLSPTSLTHTSRPPAALTPVPLSQGDLSHPPRKKDRKNRKLGPGAGAGFGVLRRPRPTPG
DGEKRSRIKKSKKRKLKKAERGDRLPPPGPPQAPPSDTDSEEEEEEEEEEEEEEMATVVGGEAPVPVLPT
PPEAPRPPATVHPEGVPPADSESKEVGSTETSQDGDASSSEGEMRVMDEDIMVESGDDSWDLITCYCRKP
FAGRPMIECSLCGTWIHLSCAKIKKTNVPDFFYCQKCKELRPEARRLGGPPKSGEP

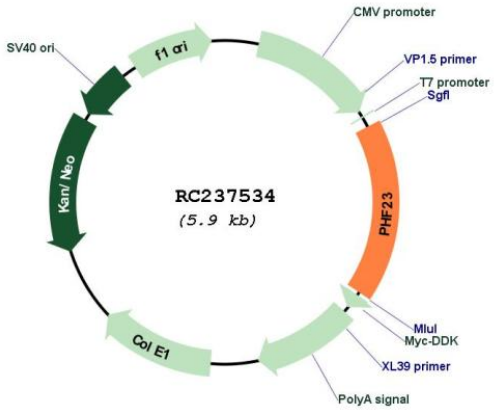
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001284517

ORF Size: 1008 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_001284517.2
RefSeq Size:	1853 bp
RefSeq ORF:	1011 bp
Locus ID:	79142
UniProt ID:	Q9BUL5
Cytogenetics:	17p13.1
Protein Families:	Druggable Genome, Transcription Factors
MW:	37.2 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]