

Product datasheet for SC335428

PHF23 (NM_001284517) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHF23 (NM_001284517) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHF23
Synonyms:	hJUNE-1b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335428 representing NM_001284517. Blue=Insert sequence Red=Cloning site Green=Tag(s)

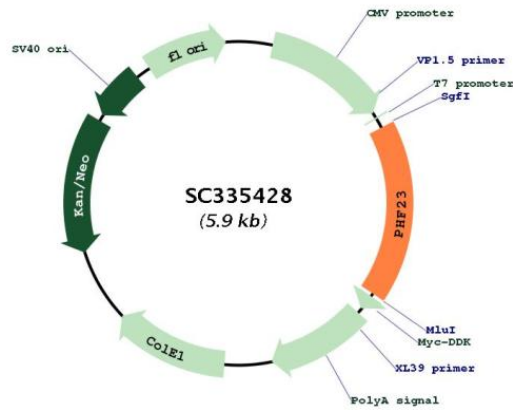
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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGCTGGAAGCCATGGCGGAGCCAGTCCC GAAGATCCACCTCCGACCCTTAAGCCAGAGACTCAGCCA
CCAGAGAAACGGCGGAGAACAATTGAGGATTTCAACAAATTCTGCAGTTTGTGGCATATGCTGGT
TACATTCCTCCCTAGCAAAGAGGCCCCCGACAGTGCTACCTTGCTTGAGAAGATGAAGCTCAAGGACTCT
CTCTTTGATCTGGATGGGCCAAAGTGGCATCTCCTTTGTCCCCACATCCCTGACACATACCTCCCGG
CCCCCTGCTGCTCTTACCCCGTGCCCCTTTCCAGGGGGACCTCTCCATCCTCCTCGAAAGAAGGAC
CGAAAGAACC GAAAGTTGGGGCCAGGAGCTGGGCTGGCTTTGGGGTGCTTCGGAGGCCTCGGCCAACT
CCTGGGGATGGGAAAAGAGATCTCGAATCAAGAAGAGCAAGAAGCGGAAGTTAAAAAAGGCAGAACGG
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GAAGAGGAGGAAGAGGAAGAAGAAGAAGAGATGGCAACAGTGGTAGGGGGTGAAGCCCCAGTCCCTGTG
CTGCCAACACCCCTGAGGCTCCTAGGCCCCCTGCCACAGTGCACCCTGAAGGAGTCCCTCCTGCTGAC
AGTGAAAGCAAGGAGGTGGGCAGCACTGAAACAAGCAAGATGGAGATGCCAGTCCAGTGAAGGCGAG
ATGCGGGTCATGGACGAGGACATCATGGTAGAATCAGGTGATGACTCATGGGATCTGATCACATGTTAC
TGTCGAAAGCCCTTTGCAGGGCGGCCATGATTGAGTGCAGCCTGTGTGGGACGTGGATCCACCTCTCC
TGTGCTAAGATTAAGAAGACCAACGTCCCCGACTCTTTTATTGCCAGAAATGCAAGGAAGTGGGCCA
GAGGCCCGCGGTTAGGGGGCCCTCCCAAATCTGGAGAGCCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_001284517

Insert Size: 1011 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001284517.1](#)

RefSeq Size: 1853 bp

RefSeq ORF: 1011 bp

Locus ID: 79142

UniProt ID: [Q9BUL5](#)

Cytogenetics: 17p13.1

Protein Families: Druggable Genome, Transcription Factors

MW: 36.7 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]
Transcript Variant: This variant (2) uses an alternate in-frame splice site in the coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.