

Product datasheet for **MC226711**

Phf23 (NM_001291126) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Phf23 (NM_001291126) Mouse Untagged Clone
Tag: Tag Free
Symbol: Phf23
Synonyms: JUNE-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226711 representing NM_001291126
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCTCAAGGACTCTTTTTGATCTGGATGGGCCAAAGTGGCATCTCCACTCTCTCCACATCAT
TGACGCATACTTCCCGCCCCCGCTGCTCTCGCCCCAGTGCCGCTGTCCAGGGGGACCTCTCCAGCC
TCGAAAGAAGGACCGAAAGAATAGAAAGTTGGGACCAGGAGGTGGGGCTGGCTTTGGGGTCTTCGGAGA
CCTCGACCAGCTCCTGGGGATGGGAAAAGCGGTCTCGAATCAAGAAGAGCAAGAAGCGGAAGTTAAAA
AGGCAGATCGGGGAGATAGACTCCACCTCCTGGCCCTCCTAGGGCTCCTCCAGTGATACAGACTCTGA
AGAGGAGGAGGAAGAGGAAGAAGAGGAAGATGATGAGGAAGAGATGACAGTGGGGGTGGAGTCCCAGCC
CCTGTGCTCCCAACCCCCCTGAGGCCCCAGGCCCTGTTACAGTGCCTCTGAAGGTGCTCCCCCTA
CTGACAGTGAAGGCAAAGATGTGGGCAGCACAGAAACAAGCCAAGATGGAGATGCTAGCTCCAGTGAAGG
CGAGATGCGGGTCATGGATGAGGACATCATGGTAGAATCAGGTGACGACTCCTGGGATCTGATCACGTGT
TACTGCAGAAAGCCCTTTGCGGGCGGCCATGATTGAGTGCAGCCTCTGTGGACGTGGATCCACCTCT
CCTGTGCTAAGATTAAGAAGACCAACGTTCCCGACTTCTTTATTGCCAGAAATGCAAGGAACTTCGGCC
AGAGCCCCGGGTTAGGGGTCTCCCCAAATCTGGAGAACC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001291126
Insert Size: 816 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001291126.1, NP_001278055.1</u>
RefSeq Size:	1850 bp
RefSeq ORF:	816 bp
Locus ID:	78246
UniProt ID:	<u>Q8BSN5</u>
Cytogenetics:	11
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 (3) differs in its 5' UTR and uses a downstream start codon, compared to variant 1. The encoded isoform (c) has a shorter N-terminus, compared to isoform a. Both variants 3 and 4 encode the same isoform.