

## Product datasheet for **MC226712**

### Phf23 (NM\_001291127) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Phf23 (NM\_001291127) 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:** >MC226712 representing NM\_001291127  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAAGCTCAAGGACTCTTTTTGATCTGGATGGGCCAAAGTGGCATCTCCACTCTCTCCACATCAT  
 TGACGCATACTTCCCGCCCCCGCTGCTCTCGCCCCAGTGCCGCTGTCCAGGGGGACCTCTCCAGCC  
 TCGAAAGAAGGACCGAAAGAATAGAAAGTTGGGACCAGGAGGTGGGGCTGGCTTTGGGGTCTTCGGAGA  
 CCTCGACCAGCTCCTGGGGATGGGAAAAGCGGTCTCGAATCAAGAAGAGCAAGAAGCGGAAGTTAAAA  
 AGGCAGATCGGGGAGATAGACTCCACCTCCTGGCCCTCCTAGGGCTCCTCCAGTGATACAGACTCTGA  
 AGAGGAGGAGGAAGAGGAAGAAGAGGAAGATGATGAGGAAGAGATGACAGTGGGGGTGGAGTCCCAGCC  
 CCTGTGCTCCCAACCCCCCTGAGGCCCCAGGCCCTGTTACAGTGCCTCTGAAGGTGCTCCCCCTA  
 CTGACAGTGAAGGCAAAGATGTGGGCAGCACAGAAACAAGCCAAGATGGAGATGCTAGCTCCAGTGAAGG  
 CGAGATGCGGGTCATGGATGAGGACATCATGGTAGAATCAGGTGACGACTCCTGGGATCTGATCACGTGT  
 TACTGCAGAAAGCCCTTTGGGGGCGGCCATGATTGAGTGCAGCCTCTGTGGGACGTGGATCCACCTCT  
 CCTGTGCTAAGATTAAGAAGACCAACGTTCCCGACTTCTTTATTGCCAGAAATGCAAGGAACTTCGGCC  
 AGAGGCCCGCGGTTAGGGGTCTCCCCAAATCTGGAGAACC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001291127  
**Insert Size:** 816 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_001291127.1, NP_001278056.1</u>
<b>RefSeq Size:</b>	1866 bp
<b>RefSeq ORF:</b>	816 bp
<b>Locus ID:</b>	78246
<b>UniProt ID:</b>	<u>Q8BSN5</u>
<b>Cytogenetics:</b>	11
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (4) 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.</p>