

Product datasheet for **MC227095**

Phf23 (NM_001291125) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Phf23 (NM_001291125) 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: >MC227095 representing NM_001291125
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTGGAAGCCATGGCGGAGCCAGTCCCGAAGATCCGCCTCCGACTCTTAACCAGAGACTCAGCCAC
CGGAGAAAAGGCGGAGAACCATTGAGGATTTAAACAAATCTGCAGTTTTGTCTTGGCCTATGCTGGTTA
CATCCCCCTAGCAAAGAGGCTCCTGACAGTGCTACTCTGCTTGAGAAGATGAAGCTCAAGGACTCTCTT
TTTGATCTGGATGGGCCAAAGTGGCATCTCCACTCTCTCCACATCATTGACGCATACTCCCGGCCCC
CCGCTGCTCTCGCCCCAGTGCCGCTGTCCAGGGGACCTCTCCAGCCTCGAAAAGAAGGACCGAAAAGAA
TAGAAAAGTTGGGACCAGGAGGTGGGGCTGGCTTTGGGGTCTTCGGAGACCTCGACCAGCTCCTGGGGAT
GGGGAAAAGCGGTCTCGAATCAAGAAGAGCAAGAAGCGGAAGTTGAAAAGGCAGATCGGGGAGATAGAC
TCCCACCTCCTGGCCCTCCTAGGGCTCCTCCAGTGATACAGACTCTGAAGAGGAGGAGGAAGAGGAAGA
AGAGGAAGATGATGAGGAAGAGATGACAGTGGGGGTGGAGTCCCAGCCCTGTGCTCCCAACCCCCCT
GAGGCCCCAGGCCCTGTTACAGTGCCTCTGAAGGTGCTCCCCCTACTGACAGTGAAGGCAAAGATG
TGGCAGCACAGAAACAAGCCAAGATGGAGATGCTAGCTCCAGTGAAGGCGAGATCGGGTCAATGGATGA
GGACATCATGGTAGAATCAGGTGACGACTCCTGGGATCTGATCACGTGTTACTGCAGAAAGCCCTTTGCG
GGCGGCCCATGATTGAGTGCAGCCTCTGTGGACGTGGATCCACCTCTCCTGTGCTAAGATTAAGAAGA
CCAACGTTCCCGACTTCTTTATTGCCAGAAATGCAAGGAACTTCGGCCAGAGGCCCGCGGTTAGGGGG
TCTCCCCAAATCTGGAGAACC**TGA**

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001291125



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| | |
|-------------------------------|---|
| Insert Size: | 1005 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). |
| 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_001291125.1</u> , <u>NP_001278054.1</u> |
| RefSeq Size: | 1818 bp |
| RefSeq ORF: | 1005 bp |
| Locus ID: | 78246 |
| UniProt ID: | <u>Q8BSN5</u> |
| Cytogenetics: | 11 |
| Gene Summary: | <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 (2) uses an alternate in-frame splice site in the central coding region, compared to variant 1. The encoded isoform (b) is shorter, compared to isoform a.</p> |