**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for MC218494

## Phf23 (BC033533) Mouse Untagged Clone

## Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | Phf23 (BC033533) Mouse Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | Phf23 |
| **Synonyms:** | JUNE-1, RP23-172M21.13 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |

**Fully Sequenced ORF:**

```
>BC033533
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGAGCCCAGTCCCGAAGATCCGCCTCCGACTCTTAAACCAGAGACTCAGCCACCGGAGAAAAGGC
GGAGAACCATTGAGGATTTTAACAAATTCTGCAGTTTTGTCTTGGCCTATGCTGGTTACATCCCCCCTAG
CAAAGAGGCTCCTGACAGTGCTACTCTGCTTGAGAAGATGAAGCTCAAGGACTCTCTTTTTGATCTGGAT
GGGCCCAAAGTGGCATCTCCACTCTCTCCCACATCATTGACGCATACCTCCCGGCCCCCCGCTGCTCTCG
CCCCAGTGCCGCTGTCCCAGGGGGACCTCTCCCAGCCTCGAAAGAAGGACCGAAAGAATAGAAAGTTGGG
ACCAGGAGGTGGGGCTGGCTTTGGGGTGCTTCGGAGACCTCGACCAGCTCCTGGGGATGGGGAAAAGCGG
TCTCGAATCAAGAAGAGCAAGAAGCGGAAGTTGAAAAAGGCAGATCGGGGAGATAGACTCCCACCTCCTG
GCCCTCCTAGGGCTCCTCCCAGTGATACAGACTCTGAAGAGGAGGAGGAAGAGGAAGAAGAGGAAGATGA
TGAGGAAGAGATGACAGTGGGGGGTGGAGTCCCAGCCCCTGTGCTCCCAACACCCCCTGAGGCCCCCAGG
CCCCCTGTTACAGTGCACTCTGAAGGTGCTCCCCCTACTGACAGTGAAGGCAAAGATGTGGGCAGCACAG
AAACAAGCCAAGATGGAGATGCTAGCTCCAGTGAAGGCGAGATGCGGGTCATGGATGAGGACATCATGGT
AGAATCAGGTGACGACTCCTGGGATCTGATCACGTGTTACTGCAGAAAGCCCTTTGCGGGGCGGCCCATG
ATTGAGTGCAGCCTCTGTGGGACGTGGATCCACCTCTCCTGTGCTAAGATTAAGAAGACCAACGTTCCCG
ACTTCTTTTATTGCCAGAAATGCAAGGAACTTCGGCCAGAGGCCCGGCGGTTAGGGGGTCTCCCCAAATC
TGGAGAACCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

**Restriction Sites:** SgfI-MluI

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

View online »

| | |
|---|---|
| **ACCN:** | BC033533 |
| **Insert Size:** | 993 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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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:** | BC033533, AAH33533 |
| **RefSeq Size:** | 1728 bp |
| **RefSeq ORF:** | 992 bp |
| **Locus ID:** | 78246 |
| **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] |

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US