

## Product datasheet for **MR229306**

### Phf23 (NM\_001291125) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Phf23 (NM\_001291125) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Phf23  
**Synonyms:** JUNE-1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR229306 representing NM\_001291125  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCTGGAAGCCATGGCGGAGCCAGTCCCGAAGATCCGCCTCCGACTCTTAACCAGAGACTCAGCCAC  
CGGAGAAAAGGCGGAGAACCATTGAGGATTTAAACAAATCTGCAGTTTTGTCTTGGCCTATGCTGGTTA  
CATCCCCCTAGCAAAGAGGCTCCTGACAGTGCTACTCTGCTTGAGAAGATGAAGCTCAAGGACTCTCTT  
TTTGATCTGGATGGGCCAAAGTGGCATCTCCACTCTCTCCACATCATTGACGCATACTCCCGGCCCC  
CCGCTGCTCTCGCCCCAGTGCCGCTGTCCAGGGGACCTCTCCAGCCTCGAAAAGAGGACCGAAAAGAA  
TAGAAAGTTGGGACCAGGAGGTGGGGCTGGCTTTGGGGTCTTCGGAGACCTCGACCAGCTCCTGGGGAT  
GGGAAAAGCGGTCTCGAATCAAGAAGAGCAAGAAGCGGAAGTTGAAAAGGCAGATCGGGGAGATAGAC  
TCCCACCTCCTGGCCCTCCTAGGGCTCCTCCAGTGATACAGACTCTGAAGAGGAGGAGGAAGAGGAAGA  
AGAGGAAGATGATGAGGAAGAGATGACAGTGGGGGTGGAGTCCCAGCCCTGTGCTCCCAACCCCCCT  
GAGGCCCCAGGCCCTGTTACAGTGCCTCTGAAGGTGCTCCCCCTACTGACAGTGAAGGCAAAGATG  
TGGCAGCACAGAAACAAGCCAAGATGGAGATGCTAGCTCCAGTGAAGGCGAGATCGGGTCAATGGATGA  
GGACATCATGGTAGAATCAGGTGACGACTCCTGGGATCTGATCACGTGTTACTGCAGAAAGCCCTTTGCG  
GGCGGCCCATGATTGAGTGACGCTCTGTGGGACGTGGATCCACCTCTCCTGTGCTAAGATTAAGAAGA  
CCAACGTTCCCGACTTCTTTTATTGCCAGAAATGCAAGGAACTTCGGCCAGAGGCCCGCGGTTAGGGG  
TCTCCCCAAATCTGGAGAACCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229306 representing NM\_001291125  
 Red=Cloning site Green=Tags(s)

MLEAMAESPEDPPPTLKPETQPPEKRRRTIEDFNKFCFVLAYAGYIPPSKEAPDSATLLEKMKLKDSL  
 FDLGPKVASPLSPTSLTHTSRPPAALAPVPLSQGDL SQPRKKDRKRNKLGPGGGAGFGVLRPRPAPGD  
 GEKRSRIKKSKKRKLLKADRGDRLPPPGRPRAPSDTDSEEEEEEEEEEDDEEEMTVGGGVPAPVLP  
 TPPEAPRPPVTVHSEGAPPTDSEGKDVGSTETSQDGDASSSEGEEMRVMDEDIMVESGDDSWDLITCYCRK  
 PFA GRPMIECSLCGTWIHLSCAIKKTNPDPFFYCQCKELRPEARRLGGLPKSGEP

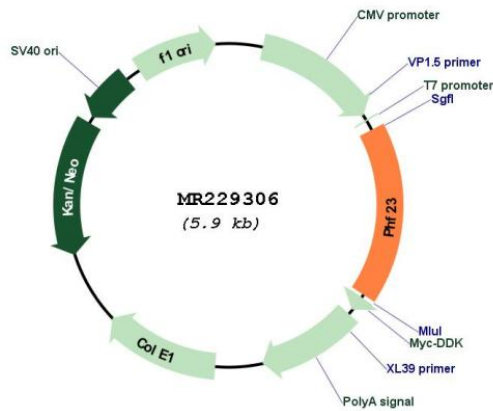
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001291125

**ORF Size:** 1002 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001291125.1</a> , <a href="#">NP_001278054.1</a>
<b>RefSeq Size:</b>	1818 bp
<b>RefSeq ORF:</b>	1005 bp
<b>Locus ID:</b>	78246
<b>UniProt ID:</b>	<a href="#">Q8BSN5</a>
<b>Cytogenetics:</b>	11
<b>MW:</b>	36.9 kDa
<b>Gene Summary:</b>	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]