

Product datasheet for **MR228922**

Phf23 (NM_001291126) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Phf23 (NM_001291126) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Phf23
Synonyms: JUNE-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR228922 representing NM_001291126
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCTCAAGGACTCTTTTTGATCTGGATGGGCCCAAAGTGGCATCTCCACTCTCTCCACATCAT
TGACGCATACTTCCCGCCCCCGCTGCTCTCGCCCCAGTGCCGCTGTCCAGGGGGACCTCTCCAGCC
TCGAAAGAAGGACCGAAAGAATAGAAAGTTGGGACCAGGAGGTGGGGCTGGCTTTGGGGTCTTCGGAGA
CCTCGACCAGCTCTGGGGATGGGAAAAGCGGTCTCGAATCAAGAAGAGCAAGAAGCGGAAGTTGAAAA
AGGCAGATCGGGGAGATAGACTCCACCTCCTGGCCCTCCTAGGGCTCCTCCAGTGATACAGACTCTGA
AGAGGAGGAGGAAGAGGAAGAAGAGGAAGATGATGAGGAAGAGATGACAGTGGGGGTGGAGTCCCAGCC
CCTGTGCTCCCAACCCCCCTGAGGCCCCAGGCCCTGTTACAGTGCACTCTGAAGGTGCTCCCCCTA
CTGACAGTGAAGGCAAAGATGTGGGCAGCACAGAAACAAGCCAAGATGGAGATGCTAGCTCCAGTGAAGG
CGAGATGCGGGTCATGGATGAGGACATCATGGTAGAATCAGGTGACGACTCCTGGGATCTGATCACGTGT
TACTGCAGAAAGCCCTTTGCGGGCGGCCATGATTGAGTGCAGCCTCTGTGGGACGTGGATCCACCTCT
CCTGTGCTAAGATTAAGAAGACCAACGTTCGCCACTCTTTTATTGCCAGAAATGCAAGGAACCTCGGCC
AGAGGCCCGCGGTTAGGGGGTCTCCCCAAATCTGGAGAACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR228922 representing NM_001291126
Red=Cloning site Green=Tags(s)

MKLKDSLFDLDGPKVASPLSPTSLTHTSRPPAALAPVPLSQGDLSPRKKDRKNRKLGPGGGAGFGVLR
 PRPAPGDGKRSRIKSKKRKLKADRGDRLPPGPPRAPPSTDSSEEEEEEEEEEDDEEEMTVGGGVPA
 PVLPTPPEAPRPVTVHSEGAPPTDSEGKDVGSTETSQDGDASSSEGEMRVMDEDIMVESGDDSWDLITC
 YCRKPFAGRPMIECSLCGTWIHLSCAKIKKTNVPDFFYCQKCKELRPEARRLGGLPKSGEP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001291126

ORF Size: 813 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001291126.1](#), [NP_001278055.1](#)

RefSeq Size: 1850 bp

RefSeq ORF: 816 bp

Locus ID: 78246

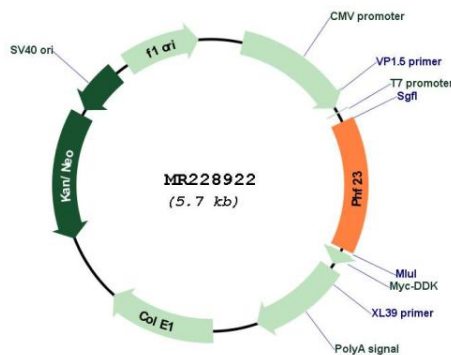
UniProt ID: [Q8BSN5](#)

Cytogenetics: 11

MW: 29.8 kDa

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]

Product images:



Circular map for MR228922