

Product datasheet for **RR206546**

Phf23 (NM_001004272) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phf23 (NM_001004272) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Phf23
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR206546 representing NM_001004272 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGAAGCCATGGCGGAGCCAGTCCCAGAAGATCCGCCTCCGACTCTTAAGCCCGAGACTCAGCCAC
CGGAGAAGCGCGGAGAACAATTGAGGATTTCAACAAATCTGCAGTTTTGTCTTGGCCTATGCTGGTTA
CATCCCCCTAGCAAAGGGCCCTGATAGTGCTACTCTGCTTGAGAAGATGAAGCTCAAGGACTCTCTG
TTTGATCTGGATGGGCCAAAGTGGCATCTCCACTGTCTCCACATCGTTGACCTCCCGCCTCCTGCTG
CTCTACCCCACTGCCACTGTCCAGGGGACCTCTCCAGCCTCGAAAGAAGGACCGAAAGAATAGAAA
GTTGGGACCAGGAGGTGGGGCTGGCTTTGGGGTCTTCGGAGACCTCGGCCAGCTCCTGGGGATGGGGAA
AAACGGTCTCGAATCAAGAAGAGCAAGAAGCGGAAGTTGAAAAAGCCGACCGGGGGATAGACTCCCAC
CTCCTGGCCCTCCTAGGGCTCCTCCAGTGATACAGACTCTGAAGAGGAGGAGGAAGAGGAAGAAGAGGA
AGACGATGAGGAAGAGACGACAGTGGTGGTGGTGGTGGAGTTCCAGCCCTGTGCTCCCAACCCCCCT
GAAGCCCCAGGCCCTGTTACAGTGCACCCTGAAGGGCTCCCCCTACTGACAGTGAAGCAAAGATG
CGGCAGCACAGAAACAAGCCAAGATGGAGATGGCAGCTCCAGTGAAGGAGAGATCGGGTTCATGGATGA
GGACATCATGGTAGAATCAGGTGATGACTCATGGATCTGATCACATGTTACTGCAGAAAGCCCTTTGCT
GGCGGCCCATGATCGAGTGCAGCTCTGTGGGACATGGATCCACCTCTCCTGTGCTAAGATTAAGAAGA
CCAATGTTCTGACTTCTTTATTGCCAGAAATGCAAGGAACTTCGGCCAGAGGCCCGCGGTTAGGGGG
TCTTCCAAATCTGGAGAACCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206546 representing NM_001004272
 Red=Cloning site Green=Tags(s)

MLEAMAEPSPEDPPPTLKPETQPPEKRRRTIEDFNKFCFVFLAYAGYIPPSKGAPDSATLLEKMKLKDSL
 FLDGPKVASPLSPTSLTSRPPAALTPVPLSQGDLSPRKKDRKNRKLPGGGAGFVLRPRPAPGDGE
 KRSRIKSKKRKLKADRGRDLPPPGPRAPPSDSEEEEEEEEEEDDEEETT VVGGGGVPAPVLP
 TPPEAPRPPVTVHPEGAPPTDSEKDGSTETSQDGDGSSSEGEEMRVDEIMVESGDDSWDLITCYCRK
 PFA GRPMIECSLCGTWIHLSCAKIKKTNVPDFFYCQKCKELRPEARRLGGLPKSGEP

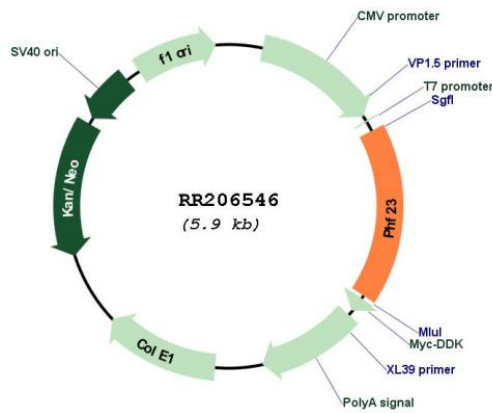
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001004272

ORF Size:	1002 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:	<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:	NM_001004272.1 , NP_001004272.1
RefSeq Size:	1713 bp
RefSeq ORF:	1005 bp
Locus ID:	360550
UniProt ID:	Q6AY75
Cytogenetics:	10q24
MW:	36.2 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]