

## Product datasheet for **RG237970**

### PHF23 (NM\_001284518) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PHF23 (NM_001284518) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PHF23
Synonyms:	hJUNE-1b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237970 representing NM_001284518. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCCGGTGATTGTCGGAGAGATCCACCTCCGACCTTAAGCCAGAGACTCAGCCACCAGAGAAACGG
CGGAGAACAATTGAGGATTTCAACAAATTCGTCAGTTTGTGGCATATGCTGGTTACATTCCCCCT
AGCAAAGAGGAAAGTACTGGCCAGCCTCTGGCTCCAGCTCTCCATTGCGAGGAGAGAGTGGCCCGAC
AGTGATGGCTGGGACTCGCCCCCTCAGATCTTGAACCATCCAGACTTTTGTAAAGAAAGCAAAGTCA
TCCAAGAGAAGGGCAGCTCAAGCAGTCCACCCAGCCAGGACCCCAAGGTCCACTTTCTCTCGTCTG
CAGGCCCCGACAGTGTACCTTGTGAGAAGATGAAGCTCAAGGACTCTCTTTGATCTGGATGGG
CCCAAAGTGGCATCTCCTTTGTCCCCACATCCCTGACACATACCTCCCGGCCCTGCTGCTTACC
CCCGTGCCCTTTCCAGGGGACCTCTCCCATCTCCTCGAAAGAAGGACCGAAAGAACCAGAAAGTTG
GGGCCAGGAGCTGGGGCTGGCTTTGGGGTCTCGGAGGCTCGGCCAACTCCTGGGGATGGGAAAAAG
AGATCTCGAATCAAGAAGAGCAAGAAGCGGAAGTTAAAAAAGGCAGAACGGGGGATAGACTCCCACCT
CCTGGGCTCCCCAGGCACCCCCAGTGATACAGACTCTGAAGAGGAGGAGGAAGAGGAGGAAAGAGAA
GAAGAAGAAGAGATGGCAACAGTGGTAGGGGTGAAGCCCCAGTCCCTGTGCTGCCAACCCCCCTGAG
GCTCCTAGGCCCTGCCACAGTGCACCCTGAAGGAGTCCCTCCTGCTGACAGTGAAGCAAGGAGGTG
GGCAGCACTGAAACAAGCAAGATGGAGATGCCAGTCCAGTGAAGGCGAGATCGGGTTCATGGACGAG
GACATCATGGTAGAATCAGGTGATGACTCATGGGATCTGATCACATGTTACTGTCGAAAGCCCTTTGCA
GGCGGCCCATGATTGAGTGCAGCCTGTGTGGGACGTGGATCCACCTCTCCTGTGCTAAGATTAAGAAG
ACCAACGTCCCCGACTTCTTTATTGCCAGAAATGCAAGGAAGTGAAGCCAGAGGCCCGCGGTTAGGG
GGGCTCCCAAATCTGGAGAGCCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG237970  
 Blue=ORF Red=Cloning site Green=Tag(s)

MPGD~~CR~~RRDPPTLKPETQPPEKRRRTIEDFNKFC~~S~~FLAYAGYIPPSKEESDWPASGSSSPLRGESAAD  
 SDGWD~~S~~APSDLRTIQTFVKKAKSSKRAAQAGPTQPGPRSTFSRLQAPDSATLLEKMKLKD~~S~~LDLGDG  
 PKVASPLSPTSLTHTSRPPAALTPVPLSQDLSHP~~P~~RRKDKRNRKLGPGAGAGFVLRPRRPTPGDGEK  
 RSR~~I~~KKSKRRLKKAERGDRLPPP~~G~~PPQAPPSDTDEEEEEEEEEEEEEEMATVVGGEAPV~~P~~VLPTPPE  
 APRPPATVHPEGVPPADSE~~S~~KEVGTSTESQDGDASSSEGEMRV~~M~~DEDIMVESGDDSWDLITCYCRK~~P~~FA  
 GRPMIECSLCGTWIHLSCA~~I~~KKTNVPDFY~~C~~QKCKELRPEAR~~R~~LGGPPKSGEP  
 TRTRPLEMESDE~~S~~GLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTN~~K~~MKSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGF~~P~~ED  
 SVIFTDKII~~R~~SNATVEHLHPMGDNDLDGSFTRT~~F~~SLRDGGYSSVVD~~S~~SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001284518

**ORF Size:** 1197 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.

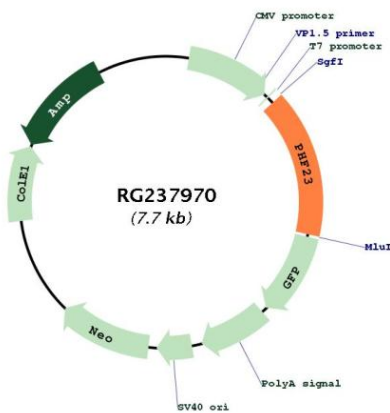
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**RefSeq:** [NM\\_001284518.1](#), [NP\\_001271447.1](#)

**RefSeq Size:** 1938 bp

RefSeq ORF:	1200 bp
Locus ID:	79142
UniProt ID:	<u>Q9BUL5</u>
Cytogenetics:	17p13.1
Protein Families:	Druggable Genome, Transcription Factors
MW:	43.9 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 RG237970