

Product datasheet for **RG224165**

PHF20L1 (NM_198513) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	PHF20L1
Synonyms:	CGI-72; TDRD20B; URLC1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG224165 representing NM_198513
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTAAAAGCCCCAAATCGCCCTGGAATCACTTTTGAGATTGGTGCTCGTTGGAGGCACTGGACT
ACTTACAAAAATGGTATCCATCACGAATTGAAAAATTGACTATGAGGAGGGCAAGATGTTGGTCCATTT
TGAGCGCTGGAGTCATCGTTATGATGAGTGGATTTACTGGGATAGCAATAGATTGCGACCCCTTGAGAGA
CCAGCACTAAGAAAAGAAGGGCTAAAAGATGAGGAAGATTTCTTTGATTTTAAAGCTGGAGAAGAAGTTC
TGGCTCGTTGGACAGACTGTCGCTATTACCCTGCCAAGATTGAAGCAATTAACAAAGAAGGAACATTTAC
AGTTTCAGTTTTATGATGGAGTAATTCGTTGTTTAAAAAGAATGCACATTAAGCCATGCCCGAGGATGCT
AAGGGGCAGGATTGGATAGCTTTAGTCAAAGCAGCTGCTGCAGCTGCAGCCAAGAACAAAACAGGGAGTA
AACCTCGAACCAGCGCTAACAGCAATAAGATAAAGATAAAGATGAGAGAAAGTGGTTTAAAGTACCTTC
AAAGAAGGAGGAACTTCAACTTGTATAGCCACACCAGACGTAGAGAAGAAGGAAGATCTGCCTACATCT
AGTGAAACATTTGGACTTCATGTAGAGAACGTTCCAAAGATGGTCTTTCCACAGCCAGAGAGCACATTAT
CAAACAAGAGGAAAAATAATCAAGGCAACTCGTTTCAGGCAAGAGAGCTCGACTTAACAAGATTACTGG
TTTGTTGGCATCCAAAGCTGTTGGGTTGATGGTGCTGAAAAAAGGAAGACTACAATGAACAGCTCCA
ATGCTGGAGCAGGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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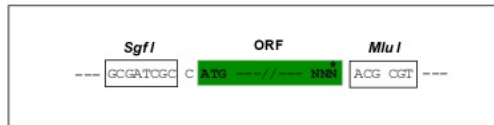
MSKKPPNRPGITFEIGARLEALDYQKWYPSRIEKIDYEEGKMLVHFERWSHRYDEWIYWDSNRLRPLER
PALRKEGLKDEEDFFDFKAGEEVLARWTDCRYYPAKIEA INKEGTF TVQFYDGVIRCLKRMHIKAMPEDA
KGQDWIALVAAAAAAAAKNKTGSKPRTSANSNKDKDKDERKWFVKPSKKEETSTCIATPDVEKKEDLPTS
SETFGLHVENVPKMVFPQPESTLSNKRKNNQGSFQAKRARLNKITGLLASKAVGVDGAEEKEDYNETAP
MLEQV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



CTATAGGGCGGCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGGCGCGCAGATCT

EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI

CAAGCTTAAGCTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- --- ---

HindIII NheI RsrII MluI NotI XhoI GFP Tag

T R T R P L E M E S D - - -

--- GAA GAA AGA GTT TAA ACGGCCGCGCGGAGCT

- - E E R V Stop

ACCN: NM_198513

ORF Size: 855 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_198513.1](#), [NP_940915.1](#)

RefSeq Size: 3256 bp

RefSeq ORF: 858 bp

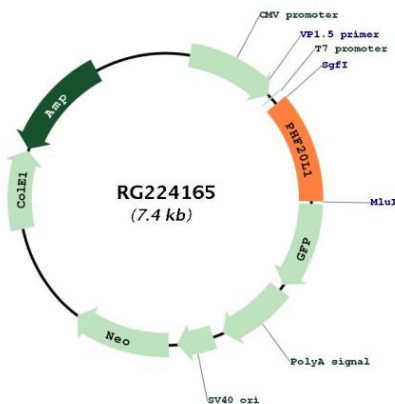
Locus ID: 51105

UniProt ID: [A8MW92](#)

Cytogenetics: 8q24.22

Protein Families: Druggable Genome, Transcription Factors

Product images:



Circular map for RG224165