

Product datasheet for **RC224165**

PHF20L1 (NM_198513) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	PHF20L1
Synonyms:	CGI-72; TDRD20B; URLC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC224165 representing NM_198513
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGAGTAAAAGCCCCAAATCGCCCTGGAATCACTTTTGAGATTGGTGCTCGTTGGAGGCACTGGACT
ACTTACAAAAATGGTATCCATCACGAATTGAAAAATTGACTATGAGGAGGGCAAGATGTTGGTCCATTT
TGAGCGCTGGAGTCATCGTTATGATGAGTGGATTTACTGGGATAGCAATAGATTGCGACCCCTTGAGAGA
CCAGCACTAAGAAAAGAAGGGCTAAAGATGAGGAAGATTTCTTTGATTTTAAAGCTGGAGAAGAAGTTC
TGGCTCGTTGGACAGACTGTCGCTATTACCCTGCCAAGATTGAAGCAATTAACAAAGAAGGAACATTTAC
AGTTTCAGTTTTATGATGGAGTAATTCGTTGTTTAAAAAGAATGCACATTAAGCCATGCCCGAGGATGCT
AAGGGGCAGGATTGGATAGCTTTAGTCAAAGCAGCTGCTGCAGCTGCAGCCAAGAACAAAACAGGGAGTA
AACCTCGAACCAGCGCTAACAGCAATAAGATAAAGATAAAGATGAGAGAAAGTGGTTTAAAGTACCTTC
AAAGAAGGAGGAACTTCAACTTGTATAGCCACACCAGACGTAGAGAAGAAGGAAGATCTGCCTACATCT
AGTGAAACATTTGGACTTCATGTAGAGAACGTTCCAAAGATGGTCTTTCCACAGCCAGAGAGCACATTAT
CAAACAAGAGGAAAAATAATCAAGGCAACTCGTTTCAGGCAAGAGAGCTCGACTTAACAAGATTACTGG
TTTGTGGCATCCAAAGCTGTTGGGTTGATGGTGCTGAAAAAAGGAAGACTACAATGAACAGCTCCA
ATGCTGGAGCAGGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC224165 representing NM_198513

Red=Cloning site Green=Tags(s)

MSKKPPNRPGITFEIGARLEALDYQKWYPSRIEKIDYEEGKMLVHFERWSHRYDEWIYWDSNRLRPLER
PALRKEGLKDEEDFFDFKAGEEVLARWTDCRYYPAKIEA INKEGTFVQFYDGVIRCLKRMHIKAMPEDA
KGQDWIALVAAAAAAAAKNKTGSKPRTSANSNKDKDKDERKWFVKPSKKEETSTCIATPDVEKKEDLPTS
SETFGLHVENVPKMVFPQPESTLSNKRKNNQGSFQAKRARLNKITGLLASKAVGVDGAEEKEDYNETAP
MLEQV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

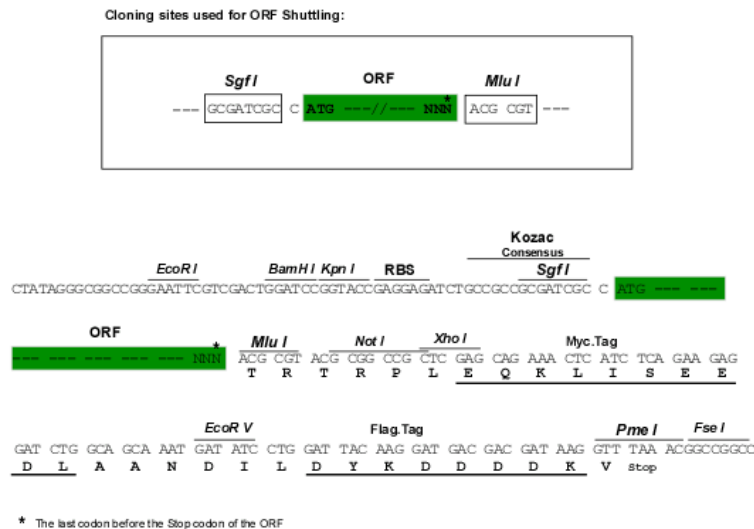
Chromatograms:

https://cdn.origene.com/chromatograms/mk6493_e01.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



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

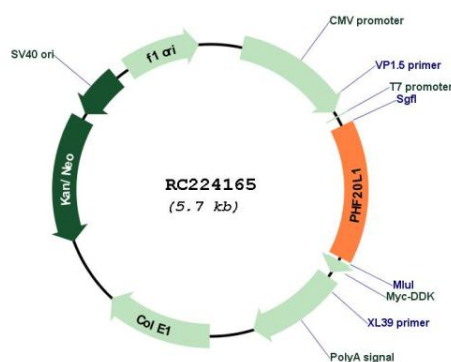
UniProt ID: [A8MW92](#)

Cytogenetics: 8q24.22

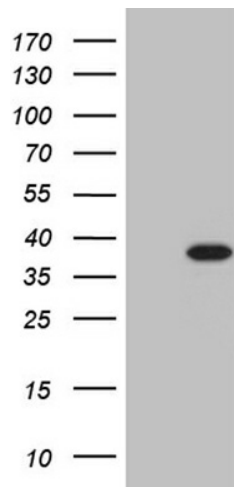
Protein Families: Druggable Genome, Transcription Factors

MW: 32.6 kDa

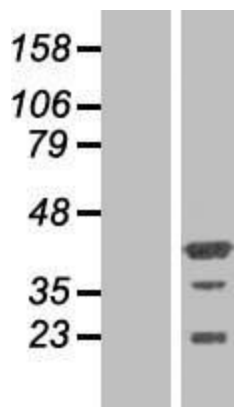
Product images:



Circular map for RC224165



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY PHF20L1 (Cat# RC224165, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PHF20L1 (Cat# [TA809762])(1:2000). Positive lysates [LY404899] (100ug) and [LC404899] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY404899]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224165 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).