

Product datasheet for **RC229249**

PHF10 (NM_133325) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHF10 (NM_133325) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PHF10
Synonyms:	BAF45A; XAP135
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC229249 representing NM_133325.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCGCGCGCGCCGGGCCCGGGGCTGCGCTGTCCCGCGGCCGTGTGACAGCGACCCAGCCACCCCC
GGAGCGCAGTCCCCGAGGATGATAATGAAGATAATCAATGATGGGACCCAGCCATCCAAAAGGAGG
CGAATGGGCTCAGGAGATAGTTCTAGGAGTTGTGAACTTCAAGTCAAGATCTTGGTTTTAGTTACTAT
CCAGCAGAAAACCTTGATAGAGTACAAAATGGCCACCTGATGAAACAGGAGAATACTATATGCTTCAAGAA
CAAGTCAGTGAATATTTGGGTGTGACCTCCTTTAAAAGGAAAATCCAGAGCGACGAGATTTGTCTCAC
AAGGAGAAAACCTACCTGAGAGAGCTAAATGTCATTACTGAACTCAGTGCCTTAGGCTTAACAGCA
TTGCGCAGTGTGAAGTGATTGATTTAATGATAAAAAGAAATCCAGCCAAACATGCTGAGTATTCTGTT
ATTCTACAAGAAAAGAACGTCAACGAATTACAGACCATTATAAAGAGTATCCCAAATGCAACAACAG
AATACTCAGAAAAGTTGAAGCCAGTAAAGTGCCTGAGTATATTAAGAAAGCTGCCAAAAAGCAGCAGAA
TTTAATAGCAACTTAAACCGGGAACGCATGGAAGAAAAGAGCTTATTTTGACTTGACAGACACATGTT
ATCCAGGTACCTCAAGGGAAGTACAAAGTTTTGCCAACAGAGCGAACAAAGGTGAGTTCTTACCCAGTG
GCTCTCATCCCCGGACAGTTCAGGAATATTATAAGAGGTAAGTACCAGATGAGCTGCGGTATCTGCCA
TTAAACACAGCCCTGTATGAGCCCCCTCTGGATCCTGAGCTCCCTGCTCTAGACAGTGTGGTGATTCA
GATGATGGCGAAGATGGTCGAGGTGATGAGAAACGGAAAAATAAAGGCACCTTCGGACAGCTCCTCTGGC
AATGTATCTGAAGGGGAAAGCCCTCCTGACAGCCAGGAGGACTCTTCCAGGGAAGACAGAAATCAAAA
GACAAAGCTGCCACTCCAAGAAAAGATGGTCCCAAACGTTCTGTACTGTCCAAGTCAGTTCTGGGTAC
AAGCCAAAGGTCATTCCAATGCTATATGTGGAATTTGTCTGAAGGTAAGGAGTCCAACAAGAAAGGA
AAGGCTGAATCACTTATACACTGCTCCCAATGTGAGAATAGTGGCCATCCTTCTGGCTGGATGACA
ATGGAGCTTGTCTATGATTAAGACCTACCCATGGCAGTGTATGGAATGTAAAACATGCATTATATGT
GGACAACCCACCATGAAGAAGAAATGATGTTCTGTGATATGTGTGACAGAGTTATCATACTTTTTGT
GTGGCCCTTGGTCTATTCCATCAGGTCGCTGGATTTGTGACTGTTGTCAGCGGGCCCCCAACACCC
AGGAAAGTGGGCAGAAGGGGGAAAAACAGCAAAGAGGGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCC
```

Protein Sequence:

>Peptide sequence encoded by RC229249
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MAAAAGPGAALSPRPCSDPATPGAQSPKDDNEDNSNDGTQPSKRRRMGSGDSSRSCETSSQDLGFSYY
PAENLIEYKWPPDETGEYYMLQEQVSEYLGVTSFKRKYPERRDLSHKEKLYLRELVITETQCTLGLTA
LRSDEVIDLMIKEYPAKHAEYSVILQEKERQRI TDHYKEYSQMQQNTQKVEASKVPEYIKKAAKKAAE
FNSNLNRERMEERRAYFDLQTHVIQVPQKYKVLPTERTKVSSYPVALIPGQFQYKYKRYSPDELRYLP
LNTALYEPPLDPEL PALDSDGSDDGEDGRGDEKRKNKGTSDSSSGNVSEGESPPDSQEDSFQGRQKSK
DKAATPRKDGPKRSVLSKSVPGYKPKVIPNAICGICLKGKESNKKGAESLIHCSQCENS GHPSCLDMT
MELVSMIKTYPWQCMECKTCIICGPHHEEEMMFCMCDRGYHTFCVGLGAI PSGRWICDCCQRPPTP
RKVGRRGKNSKEG
TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_133325

ORF Size: 1488 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.

RefSeq Size: 1686 bp

RefSeq ORF: 1491 bp

Locus ID: 55274

UniProt ID: [Q8WUB8](#)

Cytogenetics: 6q27

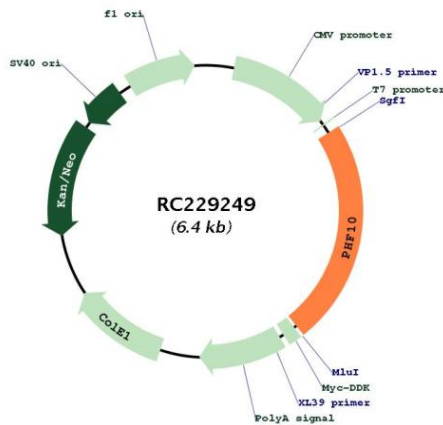
Domains: PHD

Protein Families: Druggable Genome, Stem cell - Pluripotency, Transcription Factors

MW: 55.8 kDa

Gene Summary: This gene contains a predicted ORF that encodes a protein with two zinc finger domains. The function of the encoded protein is not known. Sequence analysis suggests that multiple alternatively spliced transcript variants are derived from this gene but the full-length nature of only two of them is known. These two splice variants encode different isoforms. A pseudogene for this gene is located on Xq28. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC229249