

## Product datasheet for SC111822

### PHF10 (NM\_018288) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PHF10 (NM_018288) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHF10
Synonyms:	BAF45A; XAP135
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018288, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCGGCGCCGGGCCGGGGCTGCGCTGTCCCGCGGCCGTGCGACAGCGACCCAGCCACCCCG
GAGCGCAGTCCCGAAGGATGATAATGAAGATAATTCAAATGATGGGACCCAGCCATCCAAAAGGAGGCG
AATGGGCTCAGGAGATAGTTCTAGGAGTTGTGAACTTCAAGTCAAGATCTTGGTTTTAGTTACTATCCA
GCAGAAAACCTTGATAGAGTACAAATGGCCACCTGATGAAACAGGAGAATACTATATGCTTCAAGAACAAG
TCAGTGAATATTTGGGTGTGACCTCCTTAAAAGGAAATATCCAGATTTAGAGCGACGAGATTTGTCTCA
CAAGGAGAAAACCTACCTGAGAGAGCTAAATGTCATTACTGAACTCAGTGCCTCTAGGCTTAACAGCA
TTGCGCAGTGATGAAGTGATTGATTTAATGATAAAAAGAATATCCAGCCAAACATGCTGAGTATTCTGTTA
TTCTACAAGAAAAGAAGTCAACGAATTACAGACCATTATAAAGAGTATTCCTAAATGCAACAACAGAA
TACTCAGAAAAGTTGAAGCCAGTAAAGTGCTGAGTATATTAAGAAAGCTGCCAAAAAGCAGCAGAAATTT
AATAGCAACTTAAACCGGGAACGCATGGAAGAAAAGAGCTTATTTGACTTGCAGACACATGTTATCC
AGGTACCTCAAGGGAAGTACAAAGTTTTGCCAACAGAGCGAACAAAGGTCAGTTCCTACCCAGTGGCTCT
CATCCCGGACAGTTCAGGAATATTATAAGAGGTACTCACCAGATGAGCTGCGGTATCTGCCATTAAC
ACAGCCCTGTATGAGCCCCCTCTGGATCCTGAGCTCCCTGCTCTAGACAGTGATGGTGATTGATGATG
GCGAAGATGGTCGAGGTGATGAGAAACGAAAAATAAAGGCACTTCGGACAGCTCCTCTGGCAATGTATC
TGAAGGGGAAAGCCCTCCTGACAGCCAGGAGACTCTTTCCAGGGAAGACAGAAATCAAAAGACAAAGCT
GCCACTCAAGAAAAGATGGTCCCAACGTTCTGTACTGTCCAAGTCAGTTCTGGGTACAAGCCAAAGG
TCATTCCAAATGCTATATGTGGAATTTGTCTGAAGGGTAAGGAGTCCAACAAGAAAAGGAAAGGCTGAATC
ACTTATACACTGCTCCCAATGTGAGAATAGTGGCCATCCTTCTTGCTGGATATGACAATGGAGCTTGTT
TCTATGATTAAGACCTACCCATGGCAGTGATGGAATGTAAAACATGCATTATATGTGGACAACCCACC
ATGAAGAAGAAATGATGTTCTGTGATATGTGTGACAGAGGTTATCATACTTTTTGTGTGGCCTTGGTGC
TATTCATCAGGTCGCTGGATTTGTGACTGTTGTGACGGGCCCCCAACACCCAGGAAAGTGGGCAGA
AGGGGAAAAACAGCAAAGAGGGATAA

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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_018288 unedited            GTTCNGATTAGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGCCGTGCGAC            AGCGACCCAGCCACCCCGGAGCGCAGTCCCCGAAGGATGATAATGAAGATAATTCAAAT            GATGGGACCCAGCCATCCAAAAGGAGGCGAATGGGCTCAGGAGATAGTTCTAGGAGTTGT            GAAACTTCAAGTCAAGATCTTGGTTTTAGTTACTATCCAGCAGAAAACCTGATAGAGTAC            AAATGGCCACCTGATGAAACAGGAGAATACTATATGCTTCAAGAACAGTCAGTGAATAT            TTGGGTGTGACCTCCTTTAAAAGGAAATATCCAGATTTAGAGCGACGAGATTTGTCTCAC            AAGGAGAAACTCTACCTGAGAGAGCTAAATGTCATTACTGAAACTCAGTGCACCTAGGC            TTAACAGCATTGCGCAGTGATGAAGTGATTGATTTAATGATAAAAAGAATATCCAGCCAAA            CATGCTGAGTATTCTGTTATTCTACAAGAAAAAGAACGTCACGAATTACAGACCATTAT            AAAGAGTATTCCAAATGCAACAACAGAACTACTCAGAAAGTTGAAGCCAGTAAAGTGCCT            GAGTATATTAAGAAAGCTGCCAAAAAGCAGCAGAATTTAATAGCAACTTAAACCGGGAA            CGCATGGAAGAAAGAAGAGCTTATTTTGACTTGCAGACACATGTTATCCAGGTACCTCAA            GGAAGTACAAAGTTNTGCCAACAGAGCGAACAAAGGTCAGTTCTTACCCAGTGGCTCTC            ATTCGCGACAGTCCAGNAATATTATNNAGAGTACTACCAGATGAGCTGCGGTATCTG            CCATTAACACAGCCCTGTATGAGCCCCCTGGATCCTGAGCTCCTGCTCTAGACAGTG            ATGGTGATTANATGATGGCGAANATGTTTCGAGGTGATGAGAAACGGAAAATAAAGGCAC            TCCGACAGCTCCTT</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_018288 unedited            CGCGGCCGAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTAAATTTGCAAAAAAATCTT            TTATTGGCATGAAAATAATGTTGTAATGGCACCAATATCCACTTAAATGCATATACA            GTATTAGAGTCAAAAATTTTTATCCCTCTTTGCTGTTTTTCCCTTTCTGCCACTTT            CCTGGGTGTTGGGGGGCCCGCTGACAACAGTCACAAATCCAGCGACCTGATGGAATAGC            ACCAAGGCCACACAAAAAGTATGATAACCTCTGTACACATATCACAGAACATCATTTT            TTCTTCATGGTGGGTCGACCACATATAATGCATGTTTTACATTCATACACTGCCATGG            GTAGGTCTTAATCATAGAAACAAGCTCCATTGCCATATCCAGGCAAGAAGGATGGCCACT            ATTCTCACATTGGGAGCAGTGTATAAGTGATTCAGCCTTTCCTTTCTTGCTGGACTCCTT            ACCCTACAACAAATTACACATATACCATTTGCAATGACCTTTGGCTTGAACCCAGAAC            TGACCTTGACAGTACACAACGTATGGGACCATCTTTATTTGAAGCGGAACCTTTGCCTT            TTGATCTCCCGCTCCACTGAAAAGAGCACTCCTGACTGATAAGAGGACACTACCTTACA            CACCCTTGATCACAGTACCCCATCCAACGACTTCTTCTACCCCGCGGATGGCCAGC            ACGCTGCGGACGACCGTCGCCCCACCCATCACTTGACAAAGCCGGGACCCCGACGACC            CCAACGGTGATCCAATACAGCCCTGTATTCTACGCGCAATACCCCGAGCACTATCCGCG            GGAGTCCCCCATCTAAACCCACTTGTAAACCCGTCGGGCCAGAAAACCACCTGAACTAA            AACTGCCCTTCTCAAAGTGTGATGACACACTCCAACCTACCCTCTGCAGAACTGACAA            AACTGG</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_018288
<b>Insert Size:</b>	1600 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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:** [NM\\_018288.2](#), [NP\\_060758.1](#)

**RefSeq Size:** 1692 bp

**RefSeq ORF:** 1233 bp

**Locus ID:** 55274

**UniProt ID:** [Q8WUB8](#)

**Cytogenetics:** 6q27

**Domains:** PHD

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

**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]  
Transcript Variant: This variant (1) encodes the longer isoform.