

Product datasheet for **SC124594**

PHF10 (NM_133325) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | PHF10 (NM_133325) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | PHF10 |
| Synonyms: | BAF45A; XAP135 |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Cell Selection: | None |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_133325, the custom clone sequence may differ by one or more nucleotides |

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ATGGCGGCGGGCCGGGCCCCGGGGCTGCGCTGTCCCCGCGGCCGTGCGACAGCGACCCAGCCACCCCCG
GAGCGCAGTCCCCGAAGGATGATAATGAAGATAATTCAAATGATGGACCCAGCCATCCAAAAGGAGGCG
AATGGGCTCAGGAGATAGTTCTAGGAGTGTGAACTTCAAGTCAAGATCTTGGTTTTAGTTACTATCCA
GCAGAAAACCTTGATAGAGTACAAATGGCCACCTGATGAAACAGGAGAATACTATATGCTTCAAGAACAAG
TCAGTGAATATTTGGGTGTGACCTCCTTTAAAAGGAAATATCCAGAGCGACGAGATTTGTCTCACAAGGA
GAAACTCTACCTGAGAGAGCTAAATGTCATTACTGAAACTCAGTGCACCTAGGCTTAACAGCATTGCGC
AGTGATGAAGTGATTGATTTAATGATAAAAAGAATATCCAGCCAAACATGCTGAGTATTCTGTTATTCTAC
AAGAAAAAGAACGTCAACGAATTACAGACCATTATAAAGAGTATTCCTAAATGCAACAACAGAATACTCA
GAAAGTTGAAGCCAGTAAAGTGCCTGAGTATATTAAGAAAGCTGCCAAAAAGCAGCAGAATTTAATAGC
AACTTAAACCGGGAACGCATGGAAGAAAGAAGAGCTTATTTTGACTTGCAGACACATGTTATCCAGGTAC
CTCAAGGGAAGTACAAAGTTTTGCCAACAGAGCGAACAAGGTCAGTTCTTACCCAGTGGCTCTCATCCC
CGGACAGTTCAGGAATATTATAAGAGGTAAGTACCAGATGAGCTGCGGTATCTGCCATTAACACAGCC
CTGTATGAGCCCCCTCTGGATCCTGAGCTCCCTGTCTAGACAGTATGTTGATTGATGAGTGGCGAAG
ATGGTCGAGGTGATGAGAAACGGAAAAATAAAGGCACTTCGGACAGCTCCTCTGGCAATGTATCTGAAGG
GGAAAGCCCTCCTGACAGCCAGGAGGACTCTTTCAGGGAAGACAGAAATCAAAAGACAAAGCTGCCACT
CCAAGAAAAGATGGTCCCAAACGTTCTGTACTGTCCAAGTCAAGTCTGCGGTACAAGCCAAAGGTCATTC
CAAATGCTATATGTGAAATTTGTCTGAAGGTAAGGAGTCCAACAAGAAAGGAAAGGCTGAATCACTTAT
ACACTGCTCCCAATGTGAGAATAGTGGCCATCCTTCTTGCTGGATATGACAATGGAGCTGTTTCTATG
ATTAAGACCTACCCATGGCAGTGTATGGAATGTAAACATGCATTATATGTGGACAACCCACCATGAAG
AAGAAATGATGTTCTGTGATATGTGTGACAGAGTTATCATACTTTTGTGTGGCCTTGGTGCTATTCC
ATCAGGTCGCTGGATTTGTGACTGTTGTCAGCGGGCCCCCAACACCCAGGAAAGTGGCAGAAGGGGG
AAAAACAGCAAAGAGGGATAA
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| 5' Read Nucleotide Sequence: | >OriGene 5' read for NM_133325 unedited TGACATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGGATAATTCAA TGATGGGACCCAGCCATCCAAAAGAGGCGAATGGGCTCAGGAGATAGTTCTAGGAGTTGT GAAACTTCAAGTCAAGATCTTGGTTTTAGTTACTATCCAGCAGAAAACCTGATAGAGTAC AAATGGCCACCTGATGAAACAGGAGAATACTATATGCTTCAAGAACAAGTCAAGTGAATAT TTGGGTGTGACCTCCTTTAAAAGGAAATATCCAGATTTAGAGCGACGAGATTTGTCTCAC AAGGAGAAAACCTACCTGAGAGAGCTAAATGTCATTACTGAAAACCTCAGTGCACCTAGGC TTAACAGCATTGCGCAGTGATGAAGTGATTGATTAATGATAAAAAGAATATCCAGCCAAA CATGCTGAGTATTCTGTTATTCTACAAGAAAAGAACGTTCAACGAATTACAGACCATTAT AAAGAGTATCCCAAATGCAACAACAGAAATACTCAGAAAGTTGAAGCCAGTAAAGTGCTT GAGTATATTAAGAAAGCTGCCAAAAAGCAGCAGAATTTAATAGCAACTAAACCGGAA CGCATGGAAGAAAGAAGAGCTTATTTTGACTTGCAGACACATGTTATCCAGGTACCTCAA GGGAAGTACAAAAGTTTTGCCAACAGAGCGAACAAGGTCAAGTTCTACCCAGTGGCTCTC ATCCNCGACAGTCCCAGAATATATAANGAGTACTACCAGATGAGCTGCGGTATCTGC CATTAAACACAGCCCTGTATGAGCCCCCTGGATCCCTGAGCTCCTGCTCTAGACAGTG ATGGTGATTCAAATGATGGCGAANATGGTCGAGGTGATGAGAAAACGAAAATAAAGCACT TCGNCAGCTNCTCTGGCATGTATCTGATGGGAAAG |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_133325 |
| Insert Size: | 4700 bp |
| OTI Disclaimer: | 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). |
| 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: | <ol style="list-style-type: none"> 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_133325.1 , NP_579866.1 |
| RefSeq Size: | 1686 bp |
| RefSeq ORF: | 1686 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 (2) uses an alternate splice junction which results in 6 fewer nt when compared to variant 1. It encodes an isoform (b) that lacks 2 internal amino acids compared to isoform a.