

Product datasheet for **SC320779**

PHF1 (NM_024165) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHF1 (NM_024165) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHF1
Synonyms:	hPHF1; MTF2L2; PCL1; PHF2; TDRD19C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_024165.1
 GCTGCCGTGCTTTGGCTGCTGCGTCATACGCCCCAGAGCCGCCGGGACGGAGGGGCTGG
 GCCTGGGGACCCCCGGCCTCCGCCTGCACGCCCCACGCCCGGACGTGCCCTCTCCG
 CGCGGGGACTCGCTAGGTCTCTACGTCTGCCCTGCCCGGCTCCCGGCGGCCACAGC
 TGTACCGGCCCCAGGATGCAATGGCGCAGCCCCCGGCTGAGCCGCTCTGGTGCC
 TCCTCACTTTGGACCCAGCTTCTCTGCTCCCACCTCTGGCCCCAGGCCTCGGCTTTGG
 GAGGGTCAAGATGTGCTGGCCAGATGGACTGATGGGCTGCTATACTTTGGGTACCATCAA
 AAGGTGGACAGTGTAGGGAGGTGTCTGGTCCAGTTTGAGGATGATTGCGAGTTTCTG
 GTTCTATGGAAAGACATTAGCCCTGCTGCCCTCCCTGGAGAGGAACCTCTGTTGTGTC
 TGTGCTCTGAGACTGTGGTCCCTGGGAACCGGCTGGTCACTGTGAGAAGTGTCCGCAT
 GCTTATCACCAGGACTGCCATGTTCCAGGGCTCCAGCCCTGGAGAGGGAGAGGGCACA
 TCCTGGGTATGCCGCCAGTGTGCTTTGCGATCGCCACCAAGAGGGGAGGTGCCCTGAAG
 AAGGGCCCTATGCCGGGCCATGCTGGGTATGAAGCTTCTCTGCCATATGGACTGAAG
 GGGCTGGACTGGATGCTGGACATCTGAGCAACCGACAGCAGAGTTACTGTTACTGTGGT
 GGCCTGGGAGTGGAACTGAAAATGCTGCAGTGCCGGAGCTGCCTGCAGTGGTTCAT
 GAGGCCTGCACCCAGTGTCTGAGCAAGCCCTCCTCTATGGGGACAGTTCTATGAATTT
 GAATGCTGTGTGTGTCGCGGGGGCCCTGAGAAAGTCCGGAGACTACAGCTTCGCTGGGTG
 GATGTGGCCCATCTTGTCTGTATCACCTCAGTGTGCTGTAAGAAGAAATACTTTGAT
 TTTGATCGTGAGATCCTCCCTTCACTTCTGAGAATTGGGACAGTTTGTCTCTGGGGGAG
 CTTTCAGACACCCCAAAGGAGAACGTTCTTCAAGCTCCTCTGCTCTAACAGCCAC
 AAGGACCGTTTCACTTTCAGGGAGAGAGATTAAGAAGAGGAAATGTTTGTGGTCTCCAT
 GCTCGGATGCCTCCCCCTGTGGAGCCCCCTACTGGAGATGGAGCACTACCAGCTTCCCT
 TCAGGGCAGGGCCCTGGGGGAGGGGTCTCACGTCCCCTGGGAAGCGCCGGAGGCCGGAG
 CCAGAGCCCTGAGGAGGAGGCAGAAGGGGAAAGTGGAGGAGCTGGGGCCACCCTCAGCA
 GTGCGCAATCAGCCGAGCCCCAGGAGCAGAGGGAGCGGGCTCATCTGCAGAGGGCACTG
 CAGGCCTCAGTGTCTCCACCATCCCCAGCCCTAACAGAGTTACCAGGGCAGCAGCGGC
 TACAACCTCCGGCCACAGATGCCCGCTGCCTGCCAGCAGCCCCATCCGGATGTTTGTCT
 TCCTTCCACCCTTCTGCCAGCACCGCAGGGACCTCTGGGACAGTGGACCCACAGACAGG
 TCACCCCTGGAACCTCACATTGGTTTCCCACAGACATCCCTAAAAGTCCCCCCTCG
 ATGACTGCCTCATCTTCTCAGTTTCATCCCCATCCCCAGGTCTTCTAGACGCTCAGCA
 CCCCTTCTCCCCTGTGCCGTAGTTTGTCTCTGGGACTGGGGGAGGAGTCCGAGGTGGG
 GTTGGTTACCTGTCCCGAGGGGACCTGTCCGGTCTTGTCTCGGAGAGTACGGCCTGAT
 GGCTCTGTGCAGTACCTGGTTGAGTGGGGAGGAGGGGCATCTTCTGAACAGCCTGCCTC
 TGCCCAGCTCCCCATTACACACACCGGCACTTTCATACCTGACCTCTGACCTCACCTA
 CAGCTGGGATGTACCTGGAGAGATAGGGGGTAGTTCTCCCTACTGCCAGGCTGGAATCC
 AAGAGTGGGGAGTGGGAAGAGGCCCTTCTCTACCTCCTTCATGATTCCTGACCCCT
 CCCATCCTTCCATTTCTTTGATGTTATTTTGTACAGCTTTTTAAATATTTTTAAAA
 TTATTTAACCCCTGGGGCAGAGACTGAGGAGGGAGGATGATAAGGGATCCCGGACTCTG
 TATGATTGAAATAAAGAGAAATAACAAAAA

Restriction Sites: Please inquire

ACCN: NM_024165

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_024165.1</u> , <u>NP_077084.1</u>
RefSeq Size:	2260 bp
RefSeq ORF:	1704 bp
Locus ID:	5252
UniProt ID:	<u>O43189</u>
Cytogenetics:	6p21.32
Domains:	PHD, TUDOR
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>This gene encodes a Polycomb group protein. The protein is a component of a histone H3 lysine-27 (H3K27)-specific methyltransferase complex, and functions in transcriptional repression of homeotic genes. The protein is also recruited to double-strand breaks, and reduced protein levels results in X-ray sensitivity and increased homologous recombination. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2009]</p> <p>Transcript Variant: This variant (2), also called variant PHF2, represents the longest transcript and encodes the longer isoform (b).</p>