

Product datasheet for **SC313557**

PHF1 (NM_002636) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHF1 (NM_002636) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHF1
Synonyms:	hPHF1; MTF2L2; PCL1; PHF2; TDRD19C
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_002636, the custom clone sequence may differ by one or more nucleotides ATGGCGCAGCCCCCGGCTGAGCCGCTCTGGTGCCTCCTCACTTTGGGACCCAGCTTCT CCTGCTCCCACCTCTGGCCCCAGGCTCGGCTTTGGGAGGGTCAAGATGTGCTGGCCAGA TGGACTGATGGGCTGCTATACTTGGGTACCATCAAAAAGGTGGACAGTGTAGGGAGGTG TGTCTGGTCCAGTTTGGAGTATTGCGAGTTTCTGGTTCTATGGAAAGACATTAGCCCT GCTGCCCTCCCTGGAGAGGAACCTCTGTTGTGTCTGTCGCTCTGAGACTGTGGTCCCT GGGAACCGGCTGGTCACTGTGAGAAGTGTGCCATGCTTATCACCAGGACTGCCATGTT CCCAGGGCTCCAGCCCCGGAGAGGGAGAGGGCACATCCTGGGTATGCCGCCAGTGTGTC TTTGCGATCGCCACCAAGAGGGGAGGTGCCCTGAAGAAGGGCCCCATGCCCGGGCCATG CTGGGTATGAAGCTTTCTCTGCCATATGGACTGAAGGGGCTGGACTGGGATGCTGGACAT CTGAGCAACCGACAGCAGAGTACTGTTACTGTGGTGGCCCTGGGGAGTGGAACTGAAA ATGCTGCAGTGCCGGAGCTGCCTGCAGTGGTCCATGAGGCCCTGCACCCAGTGTCTGAGC AAGCCCCCTCTATGGGGACAGTTCTATGAATTTGAATGCTGTGTGTGTCGCGGGGGC CCTGAGAAAGTCCGGAGACTACAGCTTCGCTGGGTGGATGTGGCCATCTGTCTCTGTAT CACCTCAGTGTGTGCTGAAGAAGAAATACTTTGATTTGATCGTGAGATCCTCCCCTTC ACTTCTGAGAATTGGGACAGTTTCTCCTGGGGAGCTTTTCAGACACCCCAAAGGAGAA CGTTCTTCCAAGCTCCTCTCTGCTCTAACAGCCACAAGGACCGTTTCATTTTCAGGGAGA GAGATTAAGAAGAGGAAATGTTTGGTCTCCATGCTCGGATGCCTCCCCCTGTGGAG CCCCCTACTGGAGATGGAGCACTCACCAGGGCAGGGCCCTGGGGAGGGGTCTCACGTCC CCTGGGGAAGCGCCGGAGCCGGAGCCAGAGCCCCTGAGGAGGAGGCAGAAAGGGAAAGT GGAGGAGTGGGGCCACCCTCAGCAGTGCGAATCAGCCCAGCCCCAGGAGCAGAGGGA GCGGGCTCATCTGCAGAGGGCACTGCAGCAGCCCCATCCGGATGTTTGTCTCCTCCACC CTTCTGCCAGCACCGCAGGGACCTCTGGGACAGTGGACCCCAAGACAGGTACCCCTGG AACTTCACATTGGTTTCCCCACAGACATCCCTAAAAGTGCCCCCACTCGA
Restriction Sites:	Please inquire
ACCN:	NM_002636



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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:	NM_002636.3 , NP_002627.1
RefSeq Size:	2008 bp
RefSeq ORF:	1374 bp
Locus ID:	5252
UniProt ID:	O43189
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 (1), uses an alternate splice site and lacks an alternate exon in the 3' coding region resulting in a frameshift, compared to variant 2. The resulting isoform (a) has a shorter and distinct C-terminus, compared to isoform b.</p>