

Product datasheet for **SC310008**

PHF20 (NM_016436) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHF20 (NM_016436) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHF20
Synonyms:	C20orf104; GLEA2; HCA58; NZF; TDRD20A; TZP
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_016436, the custom clone sequence may differ by one or more nucleotides

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ATGACAAAGCATCCACCTAACAGACGAGGAATCAGCTTTGAAGTGGGAGCCCAGTTGAA
GCCCGGGACCGTTTAAAAAACTGGTATCCAGCTCACATAGAAGACATTGACTACGAGGAA
GGAAAAGTACTCATCCATTTCAAGCGTTGGAACCATCGTTATGATGAGTGGTTCTGCTGG
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TATGATGGAGTAGTTCAGACTGTCAAACATATTCATGTCAAAGCTTTTTCCAAAGATCAG
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GATAAACGAGAGAAAGTTTAAAGAACAGAGAAAAGCAACAGTGAATGTGAAGAAAGACAAA
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CCTGAAAATGACATTGTGAAGAGTCCACAAGAAAACCTTGAGGGAAACCCAAAAGAAAACGA
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TGCCCATCAATGGGAGAAAACACGATGAAAACAGAACCGACTTCTCCCCTGTGGAATTA
CAAGAGATTTGACTGTGGAAGTAAACAATACTTTTAAAGAAAACAGATGATTTTGGGTCA
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CCAAAAGAAAAGAAAAGAAAAGAAAAGAAAACCAACCTGAATGCCCTGCAGTGAGGAG
ATCAGTGACACCTCCAGGAACCTTCTCCACCAAGGCATTTGCTGTTACCAGGTGTGGG

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TCCTCACACAAGCCAGGGGTCCATATGAGCCCGCAGCTTCATGGCCCAAGATCTGGACAC
 CACAAAGGGAAAGTGAAAGCATTGGAGGAGGATAATTTGAGTGAGTCCTTCTGAGAGC
 TTTCTCTGGAGTGATGATGAGTATGGCCAAGATGTGGATGTGACCACCAACCCAGATGAG
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 GAGGAAAATGACTTCATGATTCAAGTGTGAAGAGTGCCAGTGCTGGCAGCATGGGGTCTGC
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 TACCAGAAGCCCCGCGCTATTACCTGCCGTGGAGCAGAAGCTGGTGGTGGAGACGAGG
 GGCTCTGCCCTCGACGATGCGGTCAACCCCTCCATGAGAACGGGCGATGATCCCTTTCC
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 AACCTGCTGACCCATGTGGAATCTTTCAGGATGAAGTTACGCACAGGATGGACTCCATT
 GAGAAGGAGTTGGATGTGTTGGAGAGCTGGCTGGACTACACTGGGGAAGTGGAGCCCCCT
 GAGCCGCTGGCCAGGCTTCCGCAGCTCAAGCATTGTATCAAGCAGCTGCTGATGGACCTG
 GGCAAGGTGCAGCAGATCGCCCTCTGCTGCTCAACATGA

Restriction Sites:

Please inquire

ACCN:

NM_016436

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:

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_016436.3](#), [NP_057520.2](#)
RefSeq Size:

5583 bp

RefSeq ORF:

3039 bp

Locus ID:

51230

UniProt ID:	<u>Q9BVI0</u>
Cytogenetics:	20q11.22-q11.23
Domains:	PHD, TUDOR, zf-C2H2
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	Methyllysine-binding protein, component of the MOF histone acetyltransferase protein complex. Not required for maintaining the global histone H4 'Lys-16' acetylation (H4K16ac) levels or locus specific histone acetylation, but instead works downstream in transcriptional regulation of MOF target genes (By similarity). As part of the NSL complex it may be involved in acetylation of nucleosomal histone H4 on several lysine residues. Contributes to methyllysine-dependent p53/TP53 stabilization and up-regulation after DNA damage. [UniProtKB/Swiss-Prot Function]