

Product datasheet for **SC337568**

PHF12 (NM_001290131) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHF12 (NM_001290131) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHF12
Synonyms:	PF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001290131, the custom clone sequence may differ by one or more nucleotides

```

ATGTGGGAGAAAATGGAGACCAAGACGATCGTGTACGACTTGGACACATCAGGGGGGCTGATGGAGCAAA
TCCAAGCTCTGCTGGCTCCCCCAAGACGGACGAGGCAGAAAAGCGCAGTCGGAAGCCTGAGAAGGAGCC
CCGGAGAAGCGGCAGGGCCACCAACACGACAGCTGCGATAGCTGCAAGGAAGGTGGAGATCTCCTGTGC
TGCAGACCACTGCCCGGCTGCCTTCCACCTCCAGTGCTGTAAACCCTCCACTGAGTGAAGAAATGTTGCCTC
CTGGAGAGTGGATGTGTACCGGTGCACTGTTCCGCCGAAAGAAACGAGAGCAGAAAAAGGAGCTGGGTCA
TGTCAATGGACTGGTGGACAAATCTGGCAAACGGACTACATCCCCAGCAGTGACACTGACTTGTGGAC
AGATCGGCCAGCAAACTGAAGTAAAGGCCATTGCCATGCCCGGATCCTGGAAGGAGAGCCAGCAGGC
CTGGCACACCCACATCCAGCGCCAGCACAGAGACTCCACCTCTGAGCAGAATGATGTCGACGAAGACAT
CATTGACGTGGATGAGGAACAGTAGCAGCGGAGCCAGACTATGTGCAGCCCCAGCTGAGGCGGCCCTTT
GAGCTGCTGATTGCTGCCGCCATGGAGCGGAACCCACCAATTTCAAGTTGCCCAATGAAGTACTGTTGA
CCACTGCACTACCAGTTCTAGCAAGAGGAGAAGAAAGGAGGAAACCACAGGGAAAAATGTTAAGAGAC
ACAGCATGAATTAGATCACAATGGTCTCGTTCCCTTACCCGTCAAAGTCTGCTTACAGTGTAAACAGGAGT
TGCCGTGTGGCTCCTCTCATCCAGTGTGACTATTGCCCTCTCCTGTTTCACATGGATTGCCTCGAGCCGC
CGCTCACTGCCATGCCCTGGGCAGATGGATGTGTCCGAATCACATCGAACATGTGGTGTGAACAGAA
GAATATGACACTGAGCAATCGGTGCCAGGTGTTTGATCGTTTCCAGGACACCGTTTCGCAGCATGTCTGC
AAAGTGGACTTCCTGAACCGAATCCACAAGAAGCACCCCTAACCAGCGCTGTGCTCCAGTCGGTCAAAA
GAAGAAGCTTGAAGGTTCTGATGCTATAAAATCTCAGTACCAGTTTCCACCCCTCTCATTGCACCCGC
GGCCATTCCGGACGGGGAGCTGATCTGCAATGGGATCCCTGAGGAATCACAGATGCACCTTTGAAGTCT
GAGCATTAGCCACCAAGCAGAGCAGCAAGAGTGGCTCTGTAGTGTGTTGCGCTCCAGTGCAGCATAT
TGAAACATTTATCTGCTAAGCAGATGCCTTCGATTGGGACTCTGAACAGACAGAGAAGGCTGATATTAA
GCTGTATTGTGACTGACAGCTCAGTACCACCTCCCTGCAAACAGCTGACAAGACACCTACACCTTCC
CACTACCCCTTGTCTGCCCTCAGGGATTAGCACCCAGAATTCCCTGAGCTGCTCTCCACCCACCACT
CCCCAGCCCTAGAGGACATCGGCTGCAGTTCTTGTGCGGAAAAATCCAAGAAAACCCCTTGTGGGACTGC
CAATGGGCCAGTGAACACAGAGGTGAAAGCTAATGGCCACACCTCTACAGCAGCCCTACTGATTCCACG
GACCCCGGCGACTTCCAGGCGTAACACCCCACTACCAGGCCTCTCACACCGGCAAGGCTGGCCCCGGC
CCCTCACGCCACCAGCGCTGGGGCCCTCAGAACACACCGTCGGCATCATTGTGAAGACAGAGAATGC
CACTGGCCCCAGCTCTTCCCCCAGAGGAGTTTGGTTCTGTCCCAAGCCTGCCCTTCCATTCCAGC
TCTTGTGCCAGCATCGAGAACACCAGCACTTTGCAAAGAAAGACTGTCCAATCACAGATAGGACCTCCGT
TGACAGATTCAAGGCCACTGGGCTCACCCCAACGCCACCCGGGTGCTCACTCCCCCGAAGCAGCAGG
AGATGGTATCTTGGCCACAACAGCCAACCAACGATTACAGCTACCAGCGCCATCGTCAGATGGCAAGGTC
AGCCCCGGCAGTTATCCATAGGAAGCGCTTAAACCGTACCCTCTTCCAGCCAACCTACTGCCATGG
TGGACCTACCAACTCACTTCGAGCATTATGGATGTCAATGGAGAAATCGAGATAAATATGCTGGACGA
GAAGCTGATCAAGTTTCTGGCCTTGACAGAGAATACATCAGCTTTTCCCTCCCGGTCCAACCTTACCCG
GGCAGTGTCCGGACACATCAGCTGGCTTCTGGAGGGCACCACATAGAAGGTGCGCATGTACACACCTGTC
ACCACATCATCAGATCTCCCTCTACGTGTGCGAATGGTCACCTTGCCTCCATGGAGAATCTGAGCTTCC
AGTATCTCAAACCTCCTTGTGTGCTTTTCATGGGCTTAATAAAGCACCATGGTTTTTTCTGAAGAGAGC
AGGAACAAGATGGCAACCACAGCTTTCGA
  
```

Restriction Sites: SgfI-MluI

ACCN: NM_001290131

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:	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_001290131.1, NP_001277060.1</u>
RefSeq Size:	3912 bp
RefSeq ORF:	2550 bp
Locus ID:	57649
UniProt ID:	<u>Q96QT6</u>
Cytogenetics:	17q11.2
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	Acts as a transcriptional repressor. Involved in recruitment of functional SIN3A complexes to DNA. Represses transcription at least in part through the activity of an associated histone deacetylase (HDAC). May also repress transcription in a SIN3A-independent manner through recruitment of functional TLE5 complexes to DNA.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (3) has a shorter and distinct C-terminus compared to isoform 1.