

Product datasheet for **SC302730**

PHF12 (NM_001033561) Human Untagged Clone

Product data:

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



Fully Sequenced ORF:

>SC302730 representing NM_001033561.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGGGAGAAAAATGGAGACCAAGACGATCGTGTACGACTTGGACACATCAGGGGGGCTGATGGAGCAA
ATCCAAGCTCTGCTGGCTCCCCCAAGACGACGAGGCAGAAAAGCGCAGTCGAAGGCTGAGAAGGAG
CCCCGAGAAGCGGCAGGGCCACCAACCACGACAGCTGCGATAGCTGCAAGGAAGGTGGAGATCTCTG
TGCTGCGACCACTGCCCGGCTGCCTTCCACCTCCAGTGTGTAAACCTCCACTGAGTGAAGAAATGTTG
CCTCCTGGAGAGTGGATGTGTACCCGGTGCAGTGTTCGCCGAAAGAAACGAGAGCAGAAAAAGGAGCTG
GGTCATGTCAATGGACTGGTGGACAAATCTGGCAAACGGACTACATCCCCAGCAGTGACACTGACTTG
TTGGACAGATCGGCCAGCAAACTGAACCTAAAGGCCATTGCCATGCCCGGATCCTGGAAAGGAGAGCC
AGCAGGCCTGGCACACCCACATCCAGCGCCAGCACAGAGACTCCACCTCTGAGCAGAAATGATGTCGAC
GAAGACATCATTGACGTGGATGAGGAACCAAGTACGAGCGGAGCCAGACTATGTCAGCCCCAGCTGAGG
CGGCCCTTTGAGCTGCTGATTGCTGCCGCATGGAGCGGAACCCCAATTTCAAGTTCCTCAATGAA
CTGACTTGTACCACTGCACTACCAAGTTCTAGCAAGAGGAGAAGAAAGGAGGAAACACAGGAAAAAT
GTTAAGAAGACACAGCATGAATTAGATCACAATGGTCTCGTTCCCTTACCCGTCAAAGTCTGCTTCACG
TGTAACAGGAGTTGCCGTGTGGCTCCTCTCATCCAGTGTGACTATTGCCCTCTCCTGTTTCACATGGAT
TGCTCGAGCCCGCTCACTGCCATGCCCTGGGAGATGGATGTGTCCGAATCACATCGAATCATGTG
GTGCTGAACCAAGAAGATATGACACTGAGCAATCGGTGCCAGGTGTTTATCGTTTCCAGGACACCGTT
TCGACAGCATGTCTGCAAGTGGACTTCTGAACCGAATCCACAAGAAGCAGCCCCCTAACCGGCGTGTG
CTCCAGTGGTCAAAAGAAGAGCTTGAAGTTCTGATGCTATAAAATCTCAGTACCAGTTTCCACCC
CCTCTCATTGCACCCGCGGCCATTGGGACGGGAGCTGATCTGCAATGGGATCCCTGAGGAATCACAG
ATGCACCTTTTGAACCTGAGCACTTAGCCACCCAAGCAGAGCAGCAAGAGTGGCTCTGTAGTGTGTT
GCGCTCCAGTGCAGCATATTGAACATTTATCTGCTAAGCAGATGCCTTCGATTGGGACTCTGAACAG
ACAGAGAAGGCTGATATTAAGCCTGTTATTGTGACTGACAGCTCAGTACCACCTCCCTGCAACAGCT
GACAAGACACCTACACCTTCCCACTACCCCTTGTCTGCCCTCAGGGATTAGCACCCAGAAATCCCTG
AGCTGCTCTCCACCCACCACTGCCAGCCCTAGAGGACATCGGCTGCAGTTCTTGTGCGGAAAAATCC
AAGAAAACCCCTTGTGGGACTGCCAATGGGCCAGTGAACACAGAGGTGAAAGCTAATGGCCACACCTC
TACAGCAGCCCTACTGATTCCACGGACCCCGGCGACTTCCAGGCGCTAACACCCCACTACCAGGCCCTC
TCACACCGGAAGGCTGGCCCCGGCCCTCACGCCACCAGCGGCTGGGGCCTTCAGAACCACACCGTC
GGCATCATTGTGAAGACAGAGAATGCCACTGGCCCCAGCTCTTGCCCCAGAGGAGTTTGGTTCCTGTC
CCAAGCCTGCCCTTCCATTCCAGCTCTTGTGCCAGCATCGAGAACCACAGCACTTTGCAAGAAAG
ACTGTCCAATCACAGATAGGACCTCCGTTGACAGATTCAAGGCCACTGGGCTCACCCCCAACGCCACC
CGGGTGTCACTCCCCGCAAGCAGCAGGAGATGGTATCTTGGCCACAACAGCCAACCAACGATTACAG
TCACCAAGCGCCATCGTCAGATGGCAAGGTACGCCCGGCACGTTATCCATAGGAAGCGCTTTAACCGTA
CCCTCTTCCAGCAACTCTACTGCCATGGTGGACCTCACCAACTCACTTCGAGCATTTATGGATGTC
AATGGAGAAATCGAGATAAATATGCTGGACGAGAAGCTGATCAAGTTTCTGGCCTTGACAGAAATACAT
CAGCTTTTCCCTCCGGGTCAACCTTACCGGGCAGTGTGGGACACATCAGCTGGCTTCTGGAGGG
CACCACATAGAAGTGCAAGAAAGGAGGTACAGGCCGAGCTGTGTCTACCCCTCTTAGGGTTGGGA
GGAGCTGTGAACATGTGCTATCGAACCTCTACATCGGGACAGGAGCTGACATGGATGTGTGCCTTACA
AACTATGGTCACTGTAACCTACGTGTCCGGGAAACATGCCTGCATATTCTACGATGAGAATACCAACAT
TATGAGCTGTTAACTACAGTGAGCATGGGACAACGGTGGACAATGTGCTGTATTATGTGACTTCTCG
GAGAAGACCCCGCAACCCCGCAAGCAGTATTGTTGCCAAAGTGACAGGTGTATCAGGCCCGCGCGG
CACCAGAAACAGGACGAAGAGCCAAGTGAAGAGGCAGCATGATGAGTTCCAGGCCAGGGGCCGAG
CGGAGACCTGCAATTGCAAGCCAGCAGCTCGAGCTTGAATGGGGCAGTGGGGCCGGCTGGGAGGGC
ACAGCCTTACTGCACCATGGCAGCTACATCAAGCTGGGCTGCCTGCAGTTTGTCTTCAGCATCACTGAG
TTTGCGACCAAAACAGCCAAAGGCATGCCAGCTGTGTCAGGATGGGTCTTGCCGAGAAGCTCTCT
CTCAAGCCCCACAGGGCCCTGTGCTGCGCTCCAACCTCTGTTCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGGAGTCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:

SgfI-MluI

ACCN:

NM_001033561

Insert Size:	3015 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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001033561.1
RefSeq Size:	4475 bp
RefSeq ORF:	3015 bp
Locus ID:	57649
UniProt ID:	Q96QT6
Cytogenetics:	17q11.2
Protein Families:	Druggable Genome, Transcription Factors
MW:	109.7 kDa
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 (1) represents the longest transcript and encodes the longest isoform (1).