

Product datasheet for **SC125634**

PHF7 (NM_016483) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHF7 (NM_016483) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHF7
Synonyms:	HSPC045; HSPC226; NYD-SP6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_016483 edited
GTCGAGAGCGGAGTCTTCGCCGGCGCAGTCACCGCGCAGGGCGGCCGCCGGAGGTAGCT
ACCACGGCCTGTGTCAACGACTAAAGCTCCAGTACAGCGGCGCCCTCAGACAGCTGGGAG
GGTGGCTCTGGCCGGGAGCGGCGGCCGGTGAGTACC CGCAGGAGGAGCGGCGGAGGCGA
CCTCGGCCCGGCCCTGCACTGGCCGCCCGGCAGGCGGACATGAGCCTGGTCTGGCATCC
GCGGGATGCTCCTTAAGCCCTTCTCCGGCTGTTAACCTCCGGGAACGGTTGTGACCAC
ACCGACACGTATTTTACAGATAAATCATTCTTTCGGCGGGCGGTGCAACACGTTTTATTTA
TTTTTATTTTTCTCAACAAGCTTTTACCAGCACCTGTCCAGTGAAACAACCTTGATAATC
GTTTCGAGGGGCGTCCGCCGGTTAGGAAGCCACTGCCTGGCAGCTTGTGGAAGCCTCAT
TTGCAAAGCCACCCCTCAGATGTTTTGAAGATCGTGACGTCTTGTAACTAGCAGTGTGTG
CACAGAATCCTACTCAAGGAACGTCTTGGCCAGCGATGCAAAGAAGTGAAGTTTCAAGC
TGGAAAGAGCCTGTATTGCTCACAATAGTATAGAAGAATTCAAGAGAGGAGAGAGAGAC
AGCACCGAATGAAGACTGTAAAAGAAAAGAAGGAATGCCAGAGATTGAGAAAATCTGCCA
AGACTAGGAGGGTAACCCAGAGGAAACCGTCTTCAGGGCCTGTTTGTGGCTATGCCTTC
GAGAACCTGGGGATCCCGAAAAATTAGGGGAATTTCTTCAGAAAGACAATATCAGCGTGC
ATTATTTCTGTCTTATCTTATCTAGTAAGCTGCCTCAGAGGGGCCAGTCCAACAGAGTT
TCCATGGATTTCTGCCTGAAGACATCAAAAAGGAGGCAGCCCGGGCTTCTAGGAAGATCT
GCTTTGTGTGCAAGAAAAGGGAGCTGCTATCAACTGCCAGAAGGATCAGTGCCTCAGAA
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AATCATTTTGTGACAAACATCGCCCAACACAGAACATCCAACATGGGCATGTGGGGGAGG
AAAGCTGCATCTTATGTTGTGAAGACTTATCCCAACAGAGTGTGAGAACATCCAGAGCC
CGTGTGTAGTCAAGCCATCTACCACCGCAAGTGCATACAGAAATATGCCACACATCAG
CAAAGCATTTCTTCAAATGTCCACAGTGAACAATCGAAAAGAGTTTCTCAAGAAATGC
TGAGAATGGGAATTCATATTTCCAGACAGAGATGCTGCCTGGGAACTCGAGCCAGGGGCTT
TCTCAGACTTATATCAGCGCTATCAGCACTGTGATGCCCCCATCTGTCTGTATGAACAAG
GCAGAGACAGCTTTGAGGATGAAGGGAGGTGGTGCCTATTCTGTGTGCTACATGCGGAT
CCCACGGAACCCACAGGGACTGCTCCTCTCTTAGATCTAACAGTAAGAAATGGGAGTGTG
AGGAGTGTTCACCTGCTGCAGCCACAGACTACATACCTGAAAACCTCAGGGGACATCCCTT
GCTGCAGCAGCACCTTCCACCCTGAGGAACATTTCTGCAGAGACAACACCTTGGAAAGAGA
ATCCGGGCCTTTCTTGGACTGATTGGCCAGAACCTTCTTATTAGAAAAGCCAGAGTCTCT
CTCGTGGCAGGAGGAGCTACTCCTGGAGGTCCAAGGGTGTGAGAACTCACTAACAGCTGCA
AAAAATCCAAGTAACACCTTCTGAGTAGCTGCTGTCCACACAATAGGGTATGAAGCTGC
GCTCCTCCATCGGGTTTGGGGAGGGAGCACTCTGGGACTGTGAGACAAGGAAGCAGGGCC
AGCAGTGAGACTATGAGCCAAGCAAAGAGAAGTCTCAGTGGAGCATGAGGAGGGAGCAGT
CCAGATGCCAACAAGGAAATGCGTTTATGGCTACAAGAGTGCCTCTGCTTTCTCCTCCTC
TCTCCACCAAGGATTCTTCCACCTTAATCTTGTTTTTCATATGCCTCTTCTTACTTAC
CCATGTTTGTGTATGCAAATAAAGGTTTTCTCTCAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_016483 unedited NCAGTCAGTATTTGTATACGACNACTATAGGCGGCCGCCCGGTAGTAGCTACCACGGCGC TGTGTCAACGACTAAAGCTCCAGTACAGCGGCCCCCTCAGACAGCTGGGAGGGTGGCTCT GGCCGGGAGCGCGGCCGGTGTAGCTACCGCGAGGAGGAGCGGGAGGCGACCTCGGCC GGCCCTGCACTGGCCGCCCGGAGGCGGACATGAGCCTGGTCTGGCATCCGCGGGATGC TCCTTAAGCCCCCTTCCGGCTGTTAACCTCCGGGAACGGTTGTACCACACCGACACG TATTTTACAGATAAATCATTCTTGCGGCGCGGGTCAACACGTTTATTTATTTTATTT TTCTCAACAAGCTTTTACCCAGCACCTGTCCAGTGAAACAACCTGATAATCGTTTCGAGG GGCGTCCGCCGGTTAGGAAGCCACTGCCTGGCAGCTTGTGAAGCCTCATTGCAAAGC CACCCCTCAGATGTTTTGAAGATCGTGACGTCTTGTAACTAGCAGTGTGTGCACAGAATC CTACTCAAGGAACGTCTTGGCCAGCGATGCAAAGAAGTAAAGTTTCAAGCTGGAAGAGC CTGTATTGTCCTCACAATAGTATAGAAGAATCAAGAGAGGAGAGAGACAGCACCGAA TGAAGACTGTAAAAGAAAAGAAGGAATGCCAGAGATTGAGAAAATCTGCCAAGACTAGGA GGGTAACCCAGAGAAACCGTCTTCAGGGCCTGTTTGCTGGCTATGCCTTCGAGAACCTG GGGATCCCGAAAATAGGGGAATTTCTTCAGAAAGACATATCAGCGTGCATTATTTCTGT GCTATCTTATCTAGTAAGCTGCCTCAGAGGGGCCCGTCCACANAGGGTCCATGAATTT CTGCCCTGAGACATCAAAAAGAAGCC
Restriction Sites:	NotI-NotI
ACCN:	NM_016483
Insert Size:	2500 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).
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_016483.4 , NP_057567.3
RefSeq Size:	2290 bp
RefSeq ORF:	1146 bp
Locus ID:	51533
UniProt ID:	Q9BWX1
Cytogenetics:	3p21.1
Protein Families:	Druggable Genome, Transcription Factors

Gene Summary:

Spermatogenesis is a complex process regulated by extracellular and intracellular factors as well as cellular interactions among interstitial cells of the testis, Sertoli cells, and germ cells. This gene is expressed in the testis in Sertoli cells but not germ cells. The protein encoded by this gene contains plant homeodomain (PHD) finger domains, also known as leukemia associated protein (LAP) domains, believed to be involved in transcriptional regulation. The protein, which localizes to the nucleus of transfected cells, has been implicated in the transcriptional regulation of spermatogenesis. Alternate splicing results in multiple transcript variants of this gene. [provided by RefSeq, May 2013]

Transcript Variant: This variant (1) encodes the longer isoform (1).