

## Product datasheet for SC306808

### PHF7 (NM\_173341) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PHF7 (NM_173341) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHF7
Synonyms:	HSPC045; HSPC226; NYD-SP6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306808 representing NM_173341. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGACTGTAAAAGAAAAGAAGGAATGCCAGAGATTGAGAAAACTGCCAAGACTAGGAGGGTAACC
CAGAGGAAACCGTCTTCAGGGCCTGTTTGTGGCTATGCCTTCGAGAACCTGGGGATCCCAGAAAAATTA
GGGGAATTTCTTCAGAAAGACAATATCAGCGTGCATTATTTCTGTCTTATCTTATCTAGTAAAGCTGCCT
CAGAGGGGCCAGTCCAACAGAGGCTTCCATGGATTTCTGCCTGAAGACATCAAAAAGGAGGCAGCCCGG
GCTTCTAGGAAGATCTGCTTTGTGTGCAAGAAAAGGGAGCTGCTATCAACTGCCAGAAGGATCAGTGC
CTCAGAAACTTCCATCTGCCTTTGTGGCCAAGAAAAGGGTTGCCTTTCACAATTTTTTGGAGAGTACAAA
TCATTTTGTGACAAACATCGCCCAACACAGAACATCCAACATGGGCATGTGGGGAGGAAAGCTGCATC
TTATGTTGTGAAGACTTATCCCAACAGAGTGTTGAGAACATCCAGAGCCCGTGTTGTAGTCAAGCCATC
TACCACCGCAAGTGCATACAGAAATATGCCACACATCAGCAAAGCATTCTTCAAATGTCCACAGTGT
AACAAATCGAAAAGAGTTTCTCAAGAAATGCTGAGAATGGGAATTCATATCCAGACAGGAGGTGGTGC
CTCATTCTGTGTGCTACATGCGGATCCCACGGAACCCACAGGGACTGCTCCTCTTAGATCTAACAGT
AAGAAATGGGAGTGTGAGGAGTGTTCACCTGCTGCAGCCACAGACTACATACCTGAAAACCTCAGGGGAC
ATCCCTTGCTGCAGCAGCACCTTCCACCCTGAGGAACATTTCTGCAGAGACAACACCTTGGAAAGAGAA
CCGGGCCCTTCTTGACTGATTGGCCAGAACCTTCCTTATTAGAAAAGCCAGAGTCTCTCGTGGCAGG
AGGAGCTACTCCTGGAGTCCAAGGGTGTGAGAATCACTAACAGCTGCAAAAAATCCAAGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_173341



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<b>Insert Size:</b>	1029 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_173341.1</a>
<b>RefSeq Size:</b>	2173 bp
<b>RefSeq ORF:</b>	1029 bp
<b>Locus ID:</b>	51533
<b>Cytogenetics:</b>	3p21.1
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>MW:</b>	39.3 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon, compared to variant 1, resulting in isoform 2 which is 39 amino acids shorter than isoform 1.</p>