

Product datasheet for **RC205192**

PHF7 (NM_016483) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHF7 (NM_016483) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PHF7
Synonyms:	HSPC045; HSPC226; NYD-SP6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC205192 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGACTGTAAAAGAAAAGAAGGAATGCCAGAGATTGAGAAAATCTGCCAAGACTAGGAGGGTAACCC
AGAGGAAACCGTCTTCAGGGCCTGTTTGTGGCTATGCCCTCGAGAACCTGGGGATCCCGAAAAATTAGG
GGAATTTCTTCAGAAAGACAATATCAGCGTGCATTATTTCTGTCTTATCTATCTAGTAAGCTGCCTCAG
AGGGGCCAGTCCAACAGAGGTTTCCATGGATTTCTGCCTGAAGACATCAAAAAGGAGGCAGCCCGGGCTT
CTAGGAAGATCTGCTTTGTGTGAAGAAAAGGGAGCTGCTATCAACTGCCAGAAGGATCAGTGCCTCAG
AAACTTCCATCTGCCTTGTGCCAAGAAAGGGTTCCTTTTACAAATTTTTGGAGAGTACAATCATT
TGTGACAAACATCGCCCAACACAGAACATCCAACATGGGCATGTGGGGGAGGAAAGCTGCATCTTATGTT
GTGAAGACTTATCCCAACAGAGTGTGAGAATCCAGAGCCCGTGTGTAGTCAAGCCATCTACCACCG
CAAGTGCATACAGAAATATGCCACACATCAGCAAAGCATTCTTCAAATGTCCACAGTGTAAACAATCGA
AAAGAGTTTCTCAAGAAATGCTGAGAAATGGGAATTCATATTCCAGACAGAGATGCTGCCTGGAACTCG
AGCCAGGGGCTTCTCAGACTTATATCAGCGCTATCAGCACTGTGATGCCCCATCTGTCTGTATGAACA
AGGCAGAGACAGCTTTGAGGATGAAGGGAGGTGGTGCCTCATTCTGTGTGCTACATGCCGATCCCACGGA
ACCCACAGGGACTGCTCCTCTCTTAGATCTAACAGTAAGAAATGGGAGTGTGAGGAGTGTTCACCTGCTG
CAGCCACAGACTACATACCTGAAAACCTCAGGGGACATCCCTTGCTGCAGCAGCACCTTCCACCCTGAGGA
ACATTTCTGCAGAGACAACACCTTGAAGAGAATCCGGGCCTTTCTTGGACTGATTGGCCAGAACCTTCC
TTATTAGAAAAGCCAGAGTCTCTCGTGGCAGGAGGACTACTCTGGAGGTCCAAGGGTGTGAGAATCA
CTAACAGCTGCAAAAAATCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_016483.7](#)

RefSeq Size: 2240 bp

RefSeq ORF: 1146 bp

Locus ID: 51533

UniProt ID: [Q9BWX1](#)

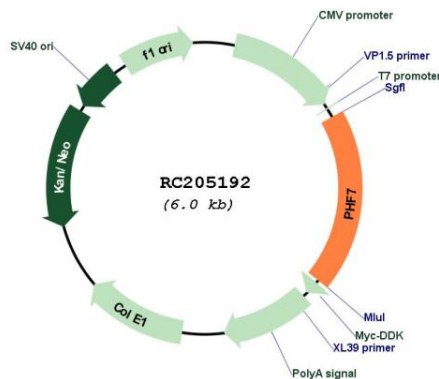
Cytogenetics: 3p21.1

Protein Families: Druggable Genome, Transcription Factors

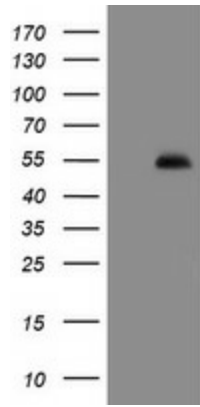
MW: 43.8 kDa

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]

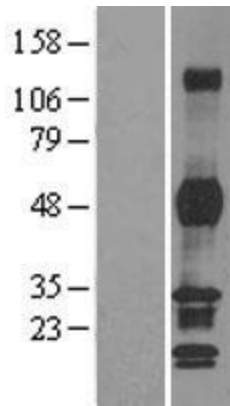
Product images:



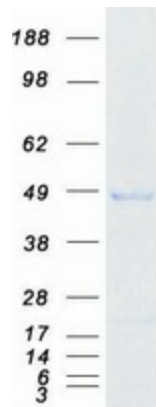
Circular map for RC205192



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY PHF7 (Cat# RC205192, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PHF7 (Cat# [TA505115]). Positive lysates [LY402558] (100ug) and [LC402558] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY402558]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205192 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified PHF7 protein (Cat# [TP305192]). The protein was produced from HEK293T cells transfected with PHF7 cDNA clone (Cat# RC205192) using MegaTran 2.0 (Cat# [TT210002]).