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Product datasheet for RC237589

PHF7 (NM_001278221) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHF7 (NM_001278221) 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:

>RC237589 representing NM_001278221
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGACTGTAAAAGAAAAGAAGGAATGCCAGAGATTGAGAAAATCTGCCAAGACTAGGAGGGTAACCC
AGAGGAAACCGTCTTCAGGGCCTGTTTGCTGGCTATGCCTTCGAGAACCTGGGGATCCCGAAAAATTAGG
GGAATTTCTTCAGAAAGACAATATCAGCGTGCATTATTTCTGTCTTATCTTATCTAGTAAGCTGCCTCAG
AGGGGCCAGTCCAACAGAGGCTTCCATGGATTTCTGCCTGAAGACATCAAAAAGGAGGCAGCCCGGGCTT
CTAGGAAGATCTGCTTTGTGTGCAAGAAAAAGGGAGCTGCTATCAACTGCCAGAAGGATCAGTGCCTCAG
AAACTTCCATCTGCCTTGTGGCCAAGAAAGGGGTTGCCTTTCACAATTTTTTGGAGAGTACAAATCATTT
TGTGACAAACATCGCCCAACACAGAACATCCAACATGGGCATGTGGGGGAGGAAAGCTGCATCTTATGTT
GTGAAGACTTATCCCAACAGAGTGTTGAGAACATCCAGAGCCCGTGTTGTAGTCAAGCCATCTACCACCG
CAAGTGCATACAGAAATATGCCCACACATCAGCAAAGCATTTCTTCAAATGTCCACAGTGTAACAATCGA
AAAGAGTTTCCTCAAGAAATGCTGAGAATGGGAATTCATATTCCAGACAGGAGGTGGTGCCTCATTCTGT
GTGCTACATGCGGATCCCACGGAACCCACAGGGACTGCTCCTCTCTTAGATCTAACAGTAAGAAATGGGA
GTGTGAGGAGTGTTCACCTGCTGCAGCCACAGACTACATACCTGAAAACTCAGGGGACATCCCTTGCTGC
AGCAGCACCTTCCACCCTGAGGAACATTTCTGCAGAGACAACACCTTGGAAGAGAATCCGGGCCTTTCTT
GGACTGATTGGCCAGAACCTTCCTTATTAGAAAAGCCAGAGTCCTCTCGTGGCAGGAGGAGCTACTCCTG
GAGGTCCAAGGGTGTCAGAATCACTAACAGCTGCAAAAAATCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

>RC237589 representing NM_001278221
Red=Cloning site Green=Tags(s)

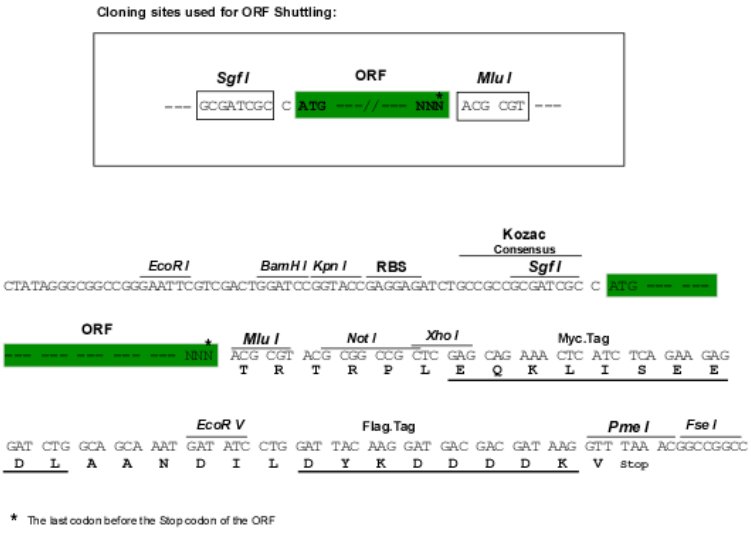
MKTVKEKKECQRLRKSAKTRRVTQRKPSSGPVCWLCLREPGDPEKLGEFLQKDNISVHYFCLILSSKLPQ
RGQSNRGFHGFLPEDIKKEAARASRKICFVCKKKGAAINCQKDQCLRNFHLPCGQERGCLSQFFGEYKSF
CDKHRPTQNIQHGHVGEESCILCCEDLSQQSVENIQSPCCSQAIYHRKCIQKYAHTSAKHFFKCPQCNNR
KEFPQEMLRMGIHIPDRRWCLILCATCGSHGTHRDCSSLRSNSKKWECEECSPAAATDYIPENSGDIPCC
SSTFHPEEHFCRDNTLEENPGLSWTDWPEPSLLEKPESSRGRRSYSWRSKGVRITNSCKKSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8053_e04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001278221

ORF Size: 1026 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: NM_001278221.3

RefSeq Size: 1436 bp

RefSeq ORF: 1029 bp

Locus ID: 51533

UniProt ID: Q9BWX1

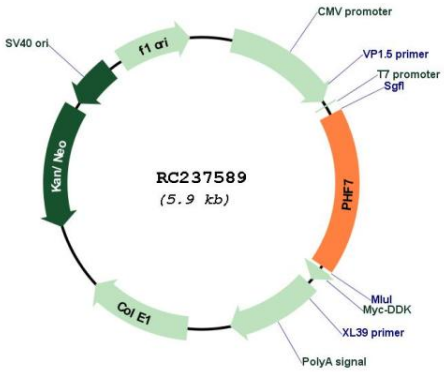
Cytogenetics: 3p21.1

Protein Families: Druggable Genome, Transcription Factors

MW: 39.3 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 RC237589