

Product datasheet for **RG237589**

PHF7 (NM_001278221) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHF7 (NM_001278221) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PHF7
Synonyms:	HSPC045; HSPC226; NYD-SP6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237589 representing NM_001278221. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAAACCGTCAGAATTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
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AGGAGCTACTCCTGGAGGTCCAAGGGTGCAGAATCACTAACAGCTGCAAAAAATCCAAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237589
 Blue=ORF Red=Cloning site Green=Tag(s)

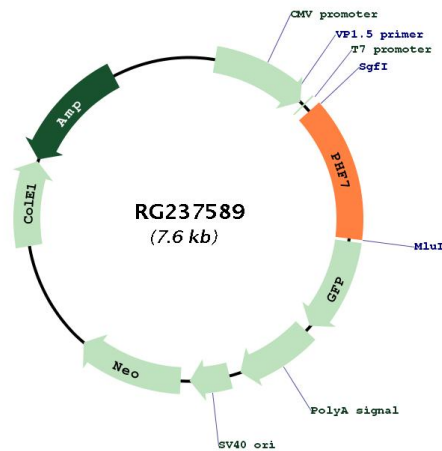
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 QRGQSNRGFHGF LPEDIKKEAARASRKICFVCKKKGAAINCQKDQCLRNHFLPCGQERGCLSQFFGEYK
 SFCDKHRPTQNIQHGHVGEESCILCCEDLSQQSVENIQSPCCSQAIYHRKCIQKYAHTSAKHFFKCPQC
 NNRKEFPQEMLRMGIHIPDRRWCLILCATCGSHGTHRDCSSLRSNSKKWECEECSPA AATDYIPENSGD
 IPCCSSTFHPEEHFCRDNTLEENPGLSWTDWPEPSLLEKPESSRGRRSYSWRSGV RITNSCKKSK
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 MGYGFYHFGTYP SGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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).
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]