

## Product datasheet for **RG207336**

### PHF13 (NM\_153812) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PHF13 (NM_153812) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PHF13
Synonyms:	PHF5; SPOC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207336 representing NM_153812 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACTCTGACTCTTGCGCCGCCCTTCCACCCGGAGGAATACTCCCCAGTTGCGAGAGGCGCAGGA  
CCGTGGAAGACTTCAACAAATTCTGCACCTTTGTCTTGGCCTATGCTGGCTACATCCCTTATCCGAAGGA  
GGAAGCTCCCTTTAAGGAGCAGCCCCAGCCCTGCTAACAGCACTGCTGGTACCATTGACAGCGACGGCTGG  
GACGCGGGTTTCTCAGACATCGCGTCCTCAGTCCCTTGGCAGTCTCTGACCGCTGCTTTAGCCACCTGC  
AGCCTACTCTCTTGCAGCGAGCCAAGCCCAGTAATTCCTGCTGGACAGAAAGAAAACGGACAAGCTGAA  
GAAGAAGAAGAAGAGGAAGCGCAGGGACAGTGATGCGCCTGGGAAAGAGGGGTACAGGGGGGCTTGTCTG  
AAGCTGGAAGCCGCTGACCCCTACGTGGAGACCCACGAGTCCCACCTTGCAGGATATCCCCAGGCTC  
CCAGCGACCCCTGCTCGGGCTGGGACTCCGATACTCCCTCGAGTGGATCTTGTGCCACTGTGTACCTGA  
TCAGGTCAAAGAAATAAAACTGAAGGCAAACGGACTATCGTCCGGCAGGAAAGCAGGTGGTGTCCGA  
GATGAGGACAGCACTGGCAATGATGAGGACATCATGGTGGACTCAGATGACGATTCTGGGACCTCGTGA  
CCTGCTTCTGCATGAAGCCATTTGCCGGCCGCCCATGATCGAGTGAATGAGTGCCACACCTGGATTCA  
CCTGTCTGTGCGAAAAATCCGAAATCCAATGTTCCAGAAGTGTGTCTGCCAAAAGTGCCGGGACTCC  
AAGTTTGACATCCGCCGTTCCAACCGCTCGCGGACGGGCTCCCGAAGCTGTTCTTGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG207336 representing NM\_153812  
 Red=Cloning site Green=Tags(s)

MDSDSCAAHFPEEYSPSCERRRTVEDFNKCTFVLAYAGYIPYPKEELPLRSSPSPANSTAGTIDSDGW  
 DAGFSDIASSVPLPVSDRCFSLHQPTLLQRAKPSNFLDRKKTDLKSKKKRKRDRSDAPGKEGYRGLL  
 KLEAADPYVETPTSPTLQDIPQAPSDPCSGWSDTPSSGSCATVSPDQVKEIKTEGKRTIVRQGKQVFR  
 DEDSTGNDEDIMVDSDDSDWLVTCFCMKPFAGRPMIECNECHTWIHLSCAKIRKSNVPEVFCQKCRDS  
 KFDIRRSNRSRTGSRKLFLLD

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_153812

**ORF Size:** 900 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\\_153812.1](#), [NP\\_722519.1](#)

**RefSeq Size:** 3684 bp

**RefSeq ORF:** 903 bp

**Locus ID:** 148479

**UniProt ID:** [Q86Y18](#)

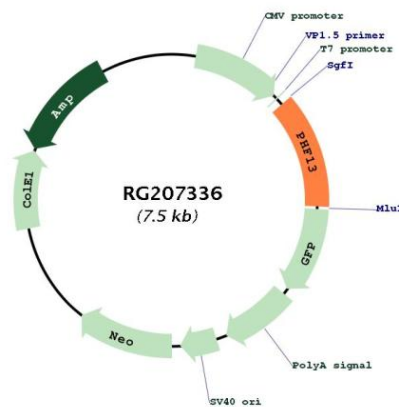
**Cytogenetics:** 1p36.31

**Domains:** PHD

**Protein Families:** Druggable Genome, Transcription Factors

**Gene Summary:** Modulates chromatin structure. Required for normal chromosome condensation during the early stages of mitosis. Required for normal chromosome separation during mitosis. [UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RG207336