

Product datasheet for **RC207336**

PHF13 (NM_153812) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHF13 (NM_153812) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PHF13
Synonyms:	PHF5; SPOC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC207336 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACTCTGACTCTTGCGCCGCCCTTCCACCCGGAGGAATACTCCCCAGTTGCGAGAGGCGCAGGA
CCGTGGAAGACTCAACAAATTCTGCACCTTTGTCTTGGCCTATGCTGGCTACATCCCTTATCCGAAGGA
GGAATCCCTTTAAGGAGCAGCCCCAGCCCTGTAACAGCACTGCTGGTACCATTGACAGCGACGGCTGG
GACGCGGGTTTCTCAGACATCGCGTCCTCAGTCCCTTGCCAGTCTCTGACCGCTGCTTTAGCCACCTGC
AGCCTACTCTCTTGCAGCGAGCCAAGCCCAGTAATTCCTGCTGGACAGAAAGAAAACGGACAAGCTGAA
GAAGAAGAAGAAGAGGAAGCGCAGGGACAGTGATGCGCCTGGGAAAGAGGGGTACAGGGGGGCTTGCTG
AAGCTGGAAGCCGCTGACCCCTACGTGGAGACCCACGAGTCCCACCTTGCAGGATATCCCCAGGCTC
CCAGCGACCCCTGCTCGGGCTGGGACTCCGATACTCCCTCGAGTGGATCTTGTGCCACTGTGTCACTGA
TCAGGTCAAAGAAATAAAAAGGCAAGGCAACGGACTATCGTCCGGCAGGAAAGCAGGTGGTGTCCGA
GATGAGGACAGCACTGGCAATGATGAGGACATCATGGTGGACTCAGATGACGATTCTGGGACCTCGTGA
CCTGCTTCTGCATGAAGCCATTTGCCGGCCGCCCATGATCGAGTGTAAATGAGTGCCACACCTGGATTCA
CCTGTCTGTGCGAAAATCCGAAAATCCAATGTTCCAGAAGTGTGTCTGCCAAAAGTGCCGGGACTCC
AAGTTTGACATCCGCCGTTCCAACCGCTCGCGGACGGGCTCCCGAAGCTGTTCTGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC207336 protein sequence
 Red=Cloning site Green=Tags(s)

MSDSDCAAAPHPEEYSPSCERRRTVEDFNKCTFVLAYAGYIPYPKEELPLRSSSPANSTAGTIDSDGW
 DAGFSDIASSVPLPVSDRCFSLHQPTLLQRAKPSNLLDRKKTDLKKKKKRKRDRSDAPGKEGYRGLL
 KLEAADPYVETPTSPTLQDIPQAPSDPCSGWSDTPSSGSCATVSPDQVKEIKTEGKRTIVRQKQVVF
 RDEDSTGNDEDIMVSDDDSDWLVTCFCMKPFAGRPMIECNECHTWIHLSCAKIRKSNVPEVFVCQKCRDS
 KFDIRRSNRSRTGSRKLFLLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6340_a07.zip

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: 3670 bp

RefSeq ORF: 903 bp

Locus ID: 148479

UniProt ID: [Q86YI8](#)

Cytogenetics: 1p36.31

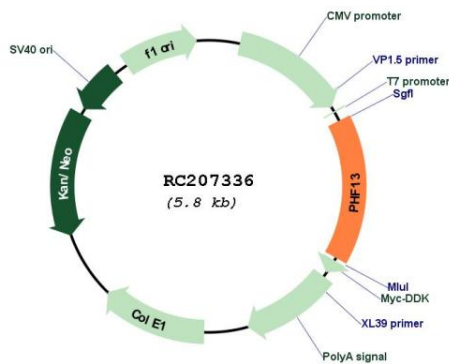
Domains: PHD

Protein Families: Druggable Genome, Transcription Factors

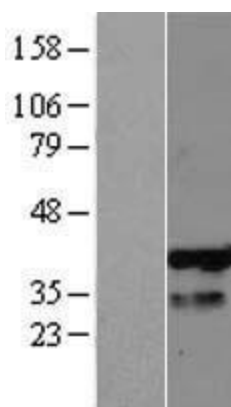
MW: 33.6 kDa

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 RC207336



Western blot validation of overexpression lysate (Cat# [LY406961]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207336 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).