

Product datasheet for **RC200284**

PHF5A (NM_032758) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PHF5A (NM_032758) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: PHF5A
Synonyms: bK223H9.2; INI; Rds3; SAP14b; SF3B7; SF3b14b
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC200284 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTAAACATCATCCTGATTTGATCTTTGCCCAAGCAGGCTGGTGTGCCATCGGAAGACTGTGTG
 AAAAATGTGATGGCAAGTGTGATTTGTGACTCCTATGTGCGTCCCTGCACTCTGGTGCATATGTGA
 TGAGTGAACATGATCTTACCAGGGCGCTGTGTGATCTGTGGAGGACCTGGGTCTCTGATGCCTAT
 TATTGTAAGGAGTGCACCATCCAGGAGAAGGACAGAGATGGCTGCCCAAAGATTGTAATCTGGGGAGCT
 CTAAGACAGACCTCTTATGAACGCAAAAATACGGCTTCAAGAAGAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC200284 protein sequence
 Red=Cloning site Green=Tags(s)
 MAKHHPDLIFCRKQAGVAIGRLCEKCDGKCVICDSYVRPCTLVRICDECNYGSYQGRVCVCGGPGVSDAY
 YCKECTIQEKDRDGC PKIYNLGSSTDLFYERKKYGFKKR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

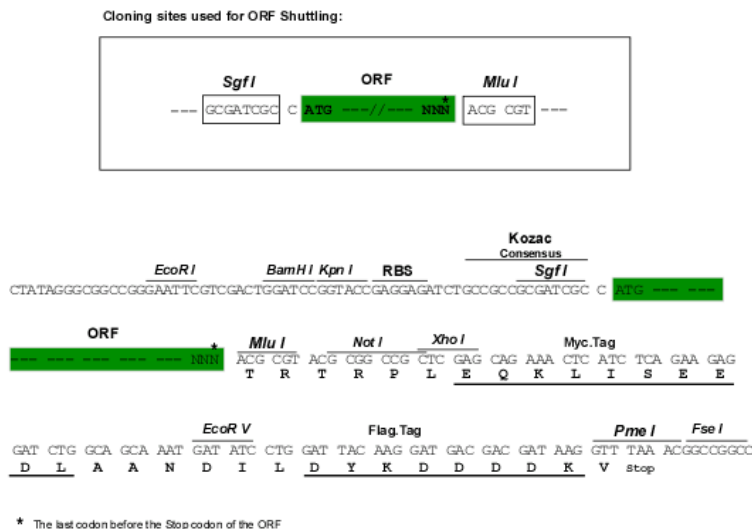
Chromatograms: https://cdn.origene.com/chromatograms/mk6381_d06.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:



ACCN: NM_032758

ORF Size: 330 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_032758.4](#)

RefSeq Size: 1105 bp

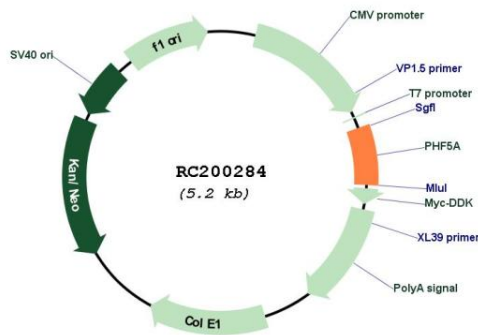
RefSeq ORF: 333 bp

Locus ID: 84844

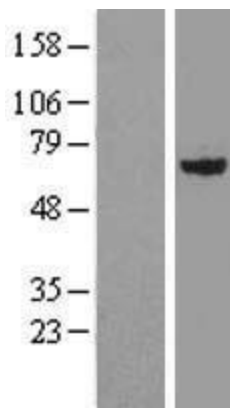
UniProt ID: [Q7RTV0](#)
 Cytogenetics: 22q13.2
 Protein Families: Transcription Factors
 Protein Pathways: Spliceosome
 MW: 12.4 kDa

Gene Summary: This gene encodes a subunit of the splicing factor 3b protein complex. Splicing factor 3b, together with splicing factor 3a and a 12S RNA unit, forms the U2 small nuclear ribonucleoproteins complex (U2 snRNP). The splicing factor 3b/3a complex binds pre-mRNA upstream of the intron's branch site in a sequence-independent manner and may anchor the U2 snRNP to the pre-mRNA. The protein encoded by this gene contains a PHD-finger-like domain that is flanked by highly basic N- and C-termini. This protein belongs to the PHD-finger superfamily and may act as a chromatin-associated protein. This gene has several pseudogenes on different chromosomes. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC200284



Western blot validation of overexpression lysate (Cat# [LY409947]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200284 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).