

## Product datasheet for RC202906L2

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OriGene Technologies, Inc.

## PHF1 (NM\_024165) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** PHF1 (NM\_024165) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: PHF1

Synonyms: hPHF1; MTF2L2; PCL1; PHF2; TDRD19C

Mammalian Cell None

Selection:

**Vector:** pLenti-C-mGFP (PS100071)

E. coli Selection: Chloramphenicol (34 ug/mL)

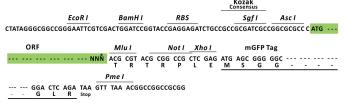
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC202906).

Sequence:

**Restriction Sites:** Ascl-Mlul

**Cloning Scheme:** 





 $<sup>\</sup>ensuremath{^*}$  The last codon before the Stop codon of the ORF.

**ACCN:** NM\_024165

ORF Size: 1701 bp





### PHF1 (NM\_024165) Human Tagged Lenti ORF Clone - RC202906L2

**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:** <u>NM 024165.1</u>

RefSeq Size: 2312 bp
RefSeq ORF: 1704 bp
Locus ID: 5252

 UniProt ID:
 O43189

 Cytogenetics:
 6p21.32

**Domains:** PHD, TUDOR

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

**MW:** 62.1 kDa

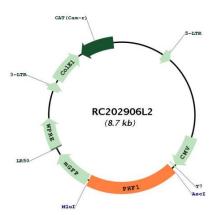
**Gene Summary:** This gene encodes a Polycomb group protein. The protein is a component of a histone H3

lysine-27 (H3K27)-specific methyltransferase complex, and functions in transcriptional repression of homeotic genes. The protein is also recruited to double-strand breaks, and reduced protein levels results in X-ray sensitivity and increased homologous recombination. Multiple transcript variants encoding different isoforms have been found for this gene.

[provided by RefSeq, May 2009]



# **Product images:**



Circular map for RC202906L2