

## Product datasheet for **RC202906L2V**

### PHF1 (NM\_024165) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	PHF1 (NM_024165) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PHF1
Synonyms:	hPHF1; MTF2L2; PCL1; PHF2; TDRD19C
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_024165
ORF Size:	1701 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202906).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_024165.1</a>
RefSeq Size:	2312 bp
RefSeq ORF:	1704 bp
Locus ID:	5252
UniProt ID:	<a href="#">O43189</a>
Cytogenetics:	6p21.32
Domains:	PHD, TUDOR
Protein Families:	Druggable Genome, Transcription Factors



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**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]