

## Product datasheet for **RC223376L4V**

### PIF1 (NM\_025049) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	PIF1 (NM_025049) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PIF1
Synonyms:	C15orf20; PIF
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_025049
ORF Size:	1923 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC223376).
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_025049.2</a>
RefSeq Size:	2659 bp
RefSeq ORF:	1926 bp
Locus ID:	80119
UniProt ID:	<a href="#">Q9H611</a>
Cytogenetics:	15q22.31
MW:	69.6 kDa



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**Gene Summary:**

This gene encodes a DNA-dependent adenosine triphosphate (ATP)-metabolizing enzyme that functions as a 5' to 3' DNA helicase. The encoded protein can resolve G-quadruplex structures and RNA-DNA hybrids at the ends of chromosomes. It also prevents telomere elongation by inhibiting the actions of telomerase. Alternative splicing and the use of alternative start codons results in multiple isoforms that are differentially localized to either the mitochondria or the nucleus. [provided by RefSeq, Nov 2013]