

## Product datasheet for **RC226406L4V**

### ZFYVE16 (NM\_001105251) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	ZFYVE16 (NM_001105251) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ZFYVE16
Synonyms:	PPP1R69
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001105251
ORF Size:	4617 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC226406).
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_001105251.1</a>
RefSeq Size:	7420 bp
RefSeq ORF:	4620 bp
Locus ID:	9765
Cytogenetics:	5q14.1
Protein Pathways:	TGF-beta signaling pathway
MW:	168.9 kDa



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**Gene Summary:**

This gene encodes an endosomal protein that belongs to the FYVE zinc finger family of proteins. The encoded protein is thought to regulate membrane trafficking in the endosome. This protein functions as a scaffold protein in the transforming growth factor-beta signaling pathway and is involved in positive and negative feedback regulation of the bone morphogenetic protein signaling pathway. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]