

## Product datasheet for **RG240174**

### ZFYVE16 (NM\_001284236) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZFYVE16 (NM_001284236) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZFYVE16
Synonyms:	PPP1R69
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG240174 representing NM_001284236. Blue=ORF Red=Cloning site Green=Tag(s)

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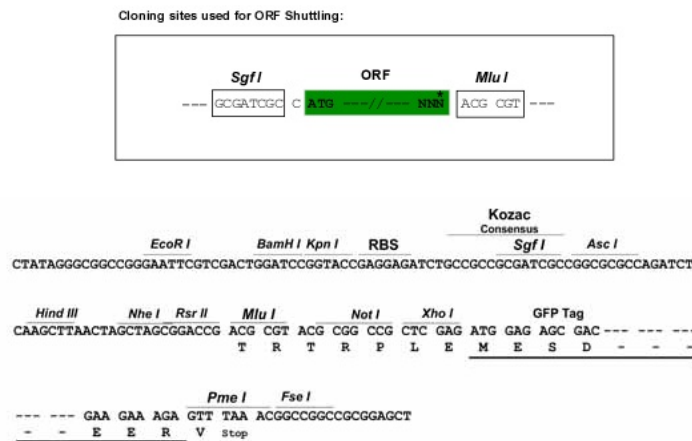
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**Protein Sequence:** >Peptide sequence encoded by RG240174  
 Blue=ORF Red=Cloning site Green=Tag(s)

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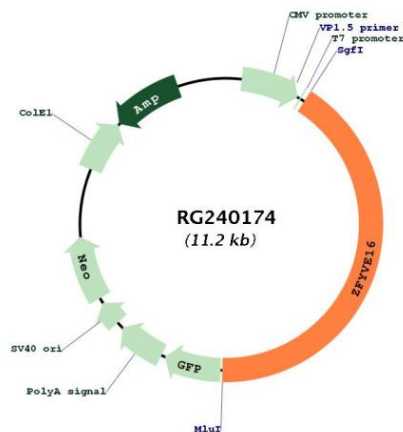
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



<b>ACCN:</b>	NM_001284236
<b>ORF Size:</b>	4617 bp
<b>OTI Disclaimer:</b>	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>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_001284236.3</a>
<b>RefSeq Size:</b>	10805 bp
<b>RefSeq ORF:</b>	4620 bp
<b>Locus ID:</b>	9765
<b>Cytogenetics:</b>	5q14.1
<b>Protein Pathways:</b>	TGF-beta signaling pathway
<b>MW:</b>	168.9 kDa
<b>Gene Summary:</b>	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]

### Product images:



Circular map for RG240174

