

Product datasheet for **SC338068**

ZFYVE16 (NM_001284236) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFYVE16 (NM_001284236) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZFYVE16
Synonyms:	PPP1R69
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001284236, the custom clone sequence may differ by one or more nucleotides

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ATGGACAGTTATTTTAAAGCAGCTGTCAGTGACTTGGACAAACTCCTTGATGATTTGAACAGAACCCAG
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ACAAATCAATTATCAGTCTCTGATATTAACAGTCAATCTGTTGGAGGGGCCAGACCTAAGCAATTGTTTA
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Restriction Sites: Sgfl-Mlul

ACCN: NM_001284236

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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: [NM_001284236.1](#), [NP_001271165.1](#)

RefSeq Size: 7346 bp

RefSeq ORF: 4620 bp

Locus ID: 9765

Cytogenetics: 5q14.1

Protein Pathways: TGF-beta signaling pathway

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]

Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3 and 5 encode the same protein (isoform a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.