

Product datasheet for **SC111813**

ZFYVE1 (NM_021260) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFYVE1 (NM_021260) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZFYVE1
Synonyms:	DFCP1; PPP1R172; SR3; TAFF1; ZNFN2A1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC111813 sequence for NM_021260 edited (data generated by NextGen Sequencing)

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ATGAGTGTCCAGACTTCCCCAGCAGAGAAGGGCTGAATCCGGGGCTGATGTGCCAGGAA
AGTTACGCTTGCAGCGGGACTGATGAAGCTATCTTTGAGTGTGATGAGTGCTGCAGTCTG
CAGTGTCTCCGCTGCGAGGAGGAGCTCCATCGGCAGGAGCGCCTGAGAAACCATGAGCGG
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GCTGTGACTTCCTGGCTGACAGACCAGATCGCCCTGCCTACTGGAGGCCCAACTCCAG
ATTCTGAGCTGCAACAAGTGTGCGACGTCTTTAAAGATAACGACACTAAGCATCACTGC
CGAGCCTGTGGGGAGGGCTTCTGTGACAGCTGTTCAAAAGACTCGGCCAGTGCCTGAG
CGGGGCTGGGGCCTGCGCCAGTGCGGGTCTGTGACAAGTGTACGAAGCCAGGAACGTC
CAGTTAGCTGTTACCGAGGCACAAGTGGACGATGAAGGTGGAACACTATTGCTCGGAAG
GTGGGCGAGGCCGTGCAAGCACTCTGGGAGCCGTGGTGACAGCCATTGACATACCACTA
GGTCTGGTAAAGGACGCGCCAGGCCTGCGTACTGGGTGCCTGACCACGAAATCCTCCAC
TGCCACAAGTCCCGGAAGGAGTTCAGCATCAAGCTCTCAAGCACCAGTCCCGGGCTGC
GGACAGGGCTTCTGTGATGAGTGCTCCCATGACCGCCGGGCTGTTCTTCTCGTGGCTGG
GACCATCCCGTCCGAGTCTGCTCAACTGCAATAAAAAGCCGGTGACCTTTAA

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Clone variation with respect to NM_021260.2

504 t=>c;1137 g=>a;1224 c=>t;2025 g=>a

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_021260 unedited TGCGGCCGCGCAATTTCGCACGAGGAGTCCGAGCTGGGAGCAAGTTCACCTCCGATCAGCTG ATCCCAACTGACAACAGGAGAGGAGGAAGCCCGGGAGGCAACGAAGGAGGAGGTGGCGG AGATGGAGATGAGGATGGATCTGCCGGTGTCTGAGGAATAGCCTCTGCCCCACTGGCG CCCTGCGGCCCGGACGCCGCTTGTCTGCGGCCGAGCTTCTCAGTGGTATCCCCTGAAA TACTGACTTCAGGTCGAATTATATTGAAAAGCTCCTGACCACTTTCTTTTATTACCAAAA CTTTGTAGCTGATGTCCAACCGATGAACCCACCACCGTGAACCCATCAGACCTCTCTCAG ATAGCCATAAAAGACCCTTCCAAGTCAATTTTGACCACATCTTTGCTTGCACTTTATGGA GGATGAAACCATCAAACCAATCAACGTTGCTGTAATACAAGAGTCTTAGAGGCAGCAA ATTAATAATTTGAACATTTGTTTGTGAAGAACTATAACAGGACATGAAAGGTGTTCTTTT TTAAAGTGTTTCAAGCCCTGTGGAAGTTTCTTGCACTCTTCACTCAAATCTTCGTCTT CACCCCGGGGCAAGCTCAGTGACTATTATATGGTGNGGTGTGTTTCTTACCAGCGTGA GTATGAGTGCCCGAGCTTCCCGAGCAGAGAAGGGCCTGAATCCGGGGCTGATGTGCCAGG AAAGTTACGCTTGACGCGGGACTGATGAAGCTATCTTTGAGTGTGATGAGTGTGCGAGTC TGCAGTGTCTCCGCTGCGAGAAGGAGCTCCATCGGCAGGAGCGCCTGAGAAACCATGAGC GGNATAGACTCAACCTGG
Restriction Sites:	NotI-NotI
ACCN:	NM_021260
Insert Size:	5310 bp
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:	<u>NM_021260.1</u> , <u>NP_067083.1</u>
RefSeq Size:	4405 bp
RefSeq ORF:	2334 bp
Locus ID:	53349
UniProt ID:	<u>Q9HBF4</u>
Cytogenetics:	14q24.2

Gene Summary:

The FYVE domain mediates the recruitment of proteins involved in membrane trafficking and cell signaling to phosphatidylinositol 3-phosphate-containing membranes. This protein contains two zinc-binding FYVE domains in tandem and is reported to localize to the Golgi apparatus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).