

Product datasheet for **SC304293**

ZFYVE26 (NM_015346) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFYVE26 (NM_015346) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZFYVE26
Synonyms:	FYVE-CENT; SPG15
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_015346 edited

ATGAATCATCCATTTGGAAAAGAGGAAGCTGCTTCGCAGAAGCAGCTTTTGGATTTTTC
TGCGAATGCCTGCGGAGGGGAGAATGGGAGCTGGCACAGGCATGTGTACCTCAGCTACAG
GAGGGACAAGGGGATATCCCAAAGAGGGTAGAAGACATACTTCAGGCATTGGTGGTGTGT
CCAAATCTGCTGAGATGTGGGCAGGACATCAACCCTCAAAGAGTAGCCTGGGTCTGGCTT
CTTGACTGGAGAAATGGTTGGCCCGGAAAAGAAGTTACTCCCAGTTGTTTTCCGGAGA
AAGCTTGAGTTTCTTTTATTGTGAGAAGACCTCCAAGGTGACATTCCAGAGAACATCCTC
GAGGAGCTGTATGAGACCTTAACACAGGGTGCAGTAGGCCACGTGCCTGACGGAAATCCA
AGGAGGGAGAGCTGGACTCCTCGTCTCAGCTCCGAAGCTGTCTGTGCTCTGGGATCTC
CTGAGGCAGTCTCCCGAGCCAGCACAGGCCCTGCTGGAGCTCCTGCTTGAGGAGGATGAC
GGTACTGGCCTCTGTCACTGGCCTCTGCAGAATGCACTGGTGGACCTATTGAAAGGCA
TTGCGGGCTTTGCAGGGCCCTGATTGCGTGCCCTGGGGTAGTCGATGCCATCTATGGA
GCCCTGCGGACTCTGCGTTGCCCGCAGAACCACTTGGGGTTGAGTTGCATCTCCTGTGT
GAGGAACCTACTAGAGGCTGCAGGACCGAGGGGAGTCCCCTGCGGGAGGAGCGGCTGCTC
AGCTGCCTGCTGCACAAGGCCAGCCGGGGCCTGCTGTCCCTGTATGGCCATACCTATGCA
GAGAAGGTCACAGAAAAGCCACCGAGGGCTACAGCCTCGGAAAAGTCTCACCGGATCAT
CTAGATCCTGAGCGGGCAATGCTAGCCCTGTTCTCCAATCCCAACCCAGCCGAGGCTTGG
AAAGTGGCCTATTTCTACTGCCTGAGCAACAACAACACTTCTCGAGCAGATTCTGGTA
ACAGACTAACAATTGTTGAAAGAAGAAGACTTCCAAATCTTGGCTGCCTACTTGATAGA
GAATTCAGGCCCTCAGTTGCTTGTACTCCTGGGCTGGACACACTGCCAGAGCCTA
GAGTCAGCCAAGAGGCTGCTCCAGACCCTGCACAGGACCCAGGGCCAGGCTGTGATGAG
CTCCTCAGGGATGCCTGTGATGGTTGTGGGCTCACCTGGAGGTCCTGGAGTGGTGATA
CAGCAGAGCAGCAACCCCATACCAAAGAGAGATCTGTTGTATCATTTACAGGTGGAGAC
AGCCACTCAGTGCTCTACACTCTCCATCACCTTACAACTTCCAGCCCTCAGGGAGGAA
GATGTTCTCAAGCTCTTACAGAAAGTGCCAGCCAAGGACCCAGCAAGAGCCTGATGCA
GTTGATGCTCCAGTCCCTGAGCACCTGAGCCAGTGTGAGAACCTGACACTCTACCAGGGC
TTCTGTGCCATGAAGTATGCCATCTATGCCCTCTGTGTAACTCACACCAGCACTCCAG



[View online »](#)

TGCCAGGACTGCAAAGACAGCCTCTCTGAGGACCTGGCCTCAGCTACAGAGCCAGCGAAT
 GACTCTCTCTCCTCCCCAGGTGCTGCAAATCTCTTCTCAACTTACCTGGCCAGGTGTCAA
 CAGTATCTGTGCAGTATTCCTGACTCTCTGTGCCTGGAGCTTCTGGAAAACATCTTCTCA
 TTGCTTCTCATCACCTCTGCTGATCTTCACCCAGAGCCTCACTTGCTGAGGACTATGCT
 GAGGATGATGACATTGAGGGGAAGAGCCCTCAGGTTTGAGGTCCCCATCAGAGAGCCCT
 CAGCACATAGCACATCCTGAAAGGAAGTCAGAACGGGGTCCCTGGGAGTCCCAAAGACC
 CTTGCTTATACAATGCCAAGCCATGTGAAGGCAGAGCCAAAAGACAGTTACCCAGGGCCT
 CATAGGCACAGCTTTTTGGACTTAAACACTTTACTAGTGGTATCAGTGGATTTCTGGCT
 GATGAATTTGCAATAGGGGCCTTCCTCAGGCTTCTCCAAGAGCAACTGGATGAGATCAGT
 AGCCGCAGCCCCCTGAGAAGCCAAAGCAAGAAAGTCAGAGCTGCTCAGGAAGCAGAGAT
 GGACTGCAGAGCCGCTGCATCGACTTTCCAAGTTGTCTCTGAGGCCAGTGGAGACAC
 AAGGTGGTGACAAGCAACCATCGTTCAGAGGAGCAACCTTCCGAAGATACCAGCCTGCC
 ACACGTACCCCCAGTCTCCGCCGGGGTCGTCGGACAAGAAGGAGCCAGGCAGATGGCCGA
 GACAGAGGTTCAAACCCATCCCTGGAAAGTACAAGTAGTGAGCTGAGCACAAAGTACGTCA
 GAGGGAAGTCTGAGTGCCATGTCTGGCCGAATGAGCTGCACAGTAGATTGCACCCCAT
 CCTCAAAGTTCACTCATCCCCATGATGTTCTCCCACTGAGTCACTGCTGGCATCTGC
 ATCCTTCGCGGGAACCTTCGAGAAGCCCATCAGGTGCTGTTACGTTCAACCTGAAGTCC
 TCACCCAGTTCAGGGGAACCTGATGTTTATGGAGCGCTACCAGGAAGTGATCCAAGAACTG
 GCCCAAGTAGAGCACAAGATTGAAAACCAGAACTCAGATGCGGGTAGCAGCACCATTTCGG
 AGAACTGGCAGTGGCCGCTCAACTCTACAGGCCATTGGCAGCGCTGCAGCAGCAGGAATG
 GTGTTTTACTCTATCTCTGACGTGACTGACAAGCTGCTCAACACCTCTGGAGACCCCATC
 CCCATGCTCCAGGAGGACTTTTGGATAAGCACGGCTCTAGTGGAGCCCACTGCTCCCTG
 AGAGAGGTTCTGGAAGACCTCAGTCCCCCTGCCATGGCTGCATTTGACCTAGCTTGCTCT
 CAGTGCCAGCTCTGGAACCTGCAAGCAGCTTTTGGAGACAGCCGAACGCGTTTTGAAT
 AGTAGCCTTGAAAGCGGGGTCGACGGATAGACCAGTACTCCTAAATGCTGATGGCATT
 CGAGGTTTTCCAGTTGTTCTTCAGCAAATCAGTAAGAGTCTCAATTATCTGCTTATGTCA
 GCCAGTCAAACCAAATCAGAGAGTGTGGAAGAAAGGGAGGAGGCCCTCCACGGTGCAGC
 ATCACTGAACTGCTTCAGATGTGCTGGCCAGCCTAAGCGAGGACTGTGTTGCCAGCCAC
 ACCACCCTCTCCAGCAGCTAGATCAGGTCCTTCAGTCACTGAGAGAGGCACTAGAGCTG
 CCAGAGCCAGGACTCCTCCACTGTCTTCCTGGTGGAGCAGGCAGCCAGAAAGCTCCA
 GAGGCAGAGGCCACCCTGTGCAGATCCAGACTCAGCTCCTCCAGAAGAACTGGGCAAA
 CAGACCCCATCAGGCAGCAGGCAGATGGACTACTTGGGCACCTTCTTCAGTTACTGCAGC
 ACCCTTGCTGCAGTTCTCCTTCAAAGTTTGAGCTCTGAGCCTGATCATGTGGAGGTCAAG
 GTAGGAAATCCCTTTGTTCTGCTGCAACAGAGCTTTCCTCAACTGGTGTACATCTCCTG
 TTTGAGAGACAAGTTCCCCCAGAGAGACTGGCAGCCCTTCTGGCCCAAGAGAATCTCAGC
 CTAAGTGTGCCACAGGTATCGTCAGCTGCTGCTGTGAGCCCCTTGCTCTTTGCTCATCC
 CGGCAAAGCCAGCAGACCTCCTCCCTCTGACTCGTCTGGGTACTCTGGCCAGCTACAC
 GCCTCTCACTGCCTGGATGACCTCCACTTTCTACACCGAGCTCCCGAGGACAACCTGAG
 AACCTACATTGGAAGAAAGCCCTACTCCTCCCAAGGGACTCATCACTCCAGCCCTC
 ACCTCCTCTGCCTTGGCCTTTCTTAAGTCACGCTCAAAGCTCCTAGCTACGGTGGCCTGC
 CTGGGGGCTTCCCCGAGGTTAAAGGTGACGAAACCCAGCTTGTCATGGAAGGAACTTCGT
 GGCCGCAGGGAGGTGCCTCTGGCTGCAGAGCAGGTAGCCCGGAGTGTGAGCGCCTTCTG
 GAACAATTCCTCTGTTTGAGGCCTTCTCCTGGCTGCCTGGGAGCCCTGCGAGGGTCT
 TTGCAGCAGGGGAGAGTCTGGCAGTGAATCTCTGTGGTTGGGCCAGTCTTTCTACCGTT
 CTCCTGGGCTACATTCTCCATTGCCCTAGATGTAAGTGTGAGGCTTTTGAGGAATCC
 TTGGTGGCCAGAGATTGGTCCCGGGCCCTTCAGCTCACTGAAGTGTACGGGCGAGATGTG
 GACGATTTGAGCAGCATAAAGGATGCAGTCCTGAGCTGTGCTGTGGCATGTGACAAAGAA
 GGTTGGCAATACCTGTTTCCCGTGAAGGATGCATCTCTGAGAAGTCGGCTGGCCCTACAG
 TTTGTGGACAGGTGGCCCTGGAGTCATGCCTGGAGATTCTGGCCTACTGCATTTTCAGAC
 ACGGCTGTCCAAGAAGGACTAAAGTGTGAGCTACAGAGGAAGCTGGCGGAGCTGCAGGTG
 TATCAGAAGATTCTGGGTTTGCAGTCTCCCCAGTGTGGTGTGACTGGCAGACCTTGAGG
 AGCTGTTGTGTTGAGGACCCATCAACTGTCATGAACATGATTCTAGAAGCACAGGAGTAT

GAACTGTGTGAAGAGTGGGGCTGCCTGTACCCCATTCGAAGAGAACATTTAATCAGCCTT
 CATCAAAAGCATCTTCTCCACCTTCTAGAAAGAAGAGATCATGACAAGGCTCTGCAACTC
 CTGCGAAGAATCCCTGACCCACCATGTGCCTTGAAGTGACAGAGCAATCCCTCGACCAG
 CACACTAGCTTGGCCACTTCTCACTTCTTGGCCAACTACCTCACCACCCACTTCTATGGA
 CAACTGACTGCTGTCCGACACCGTGAATCCAGGCGCTGTATGTGGGATCCAAGATTCTG
 CTGACCTGCCTGAGCAGCACCGGGCCAGCTATTCCCCTTGTCTCTAACCCCTGTTC
 ATGCTGGAGCAGCTGCTTATGAACATGAAGGTGGATTGGGCCACTGTGGCTGTGCAGACT
 CTCCAGCAGCTGCTGGTTGGACAGGAGATTGGCTTCACTATGGACGAGGTGGACTCACTG
 CTTTCCAGATACGCAGAGAAAGCCCTGGACTTTCCATACCTCAGAGGGAGAAACGATCA
 GATTCTGTGATTACCTCCAAGAAATTGTCCACCAGGCTGCAGATCCCGAGACCTCCCT
 AGATCACCATCAGCAGAGTTCTCTCCTGCTGCTCCTCCTGGTATCTCCAGTATACATTCC
 CCTAGTCTAAGGGAAAGGAGTTTCCACCAACCCAGCCCTCACAGGAATTTGTGCCCCCA
 GCGACACCCCTGCCAGGCACAGTGGGTACCGGATGAGACTGAGAGTATCTGCATGGTC
 TGCTGCAGGGAGCACTTACCATGTTTAAACAGGCGTCATCATTGTCGCCGCTGTGGCCGG
 CTAGTGTGCAGCTCCTGTCCACTAAGAAAATGGTGGTTGAAGGCTGCAGAGAGAACCT
 GCTCGTGTGTGTGATCAGTGCTATAGTTACTGCAACAAAGATGTACCAGAGGAGCCTTCA
 GAAAAACCAAGCTCTAGACAGCTCCAAGAATGAAAGCCCTCCATACTCGTTTGTGGTG
 AGAGTCCCAAGCAGATGAGGTGGAATGGATTTTGGATCTCAAAGAGGAGGAAAATGAG
 CTGGTGCGGAGTGAATTTTACTATGAGCAGGCCCCAGCGCCTCCTTGTGCATTGCCATC
 CTGAATCTGCACCGGGACAGCATTGCCTGTGGTCACCAGCTGATTGAGCACTGCTGCAGG
 CTCTCAAAGGGCTCACCAACCCAGAGGTGGATGCCGGGCTGCTACGGACATCATGAAG
 CAGCTGCTGTTGACGCCAAGATGATGTTCTGTCAAAGCCGGCCAGAGCCAAGACTTGGCT
 CTTTGTGACAGCTACATCAGCAAGGTAGATGTGCTGAATATTTTAGTTGCTGCTGCCTAT
 CGCCACGTGCCATCTTTGGATCAGATCTTGACGCCAGCTGCAGTAACCAAGGCTAAGGAAC
 CAGCTTTTGAAGCCGAGTACTACCAACTGGGCGTTGAGGTCTCCACAAAGACTGGGCTT
 GATACCACCGGGCGTGGCATGCTTGGGCATGGCCTGCCTCAAAGCCGGGAACCTCACT
 GCTGCACGGGAGAAGTTCAGTCGCTGTCTGAAGCCCCATTTGACCTCAATCAGCTGAAT
 CATGGCTCAAGGCTGGTGCAGGATGTGGTTGAGTACCTAGAGTCCACAGTGAGGCCCTTT
 GTATCCTTGCAAGATGACGATTACTTTGCCACCCTGAGGGAAGTGAAGCTACCTTCGG
 ACGCAGAGCCTTTCTCTGGCAGTGATTCCTGAAGGAAAATCATGAACAACCTACTAC
 CAGGAATGCCTCTTCTACCTGCACAATATAGCACCAACCTGGCCATCATCAGCTTCTAC
 GTGAGGCACAGCTGCCTGCGGGAAGCTCTTCTGCACCTTCTCAACAAGGAGAGTCCCTCA
 GAAGTTTTTATAGAAGGCATTTTCCAACCAAGCTATAAAAGTGGGAAGCTACACACTTTG
 GAGAACTTGCTAGAATCCATTGATCCAACCTTGGAGAGCTGGGGAAGTACTTGATTGCT
 GCCTGCCAACATTTACAGAAGAAGAACTACTACCACATTTCTGTATGAGCTGCAGCAGTTT
 ATGAAGGACCAAGTTCGGGCCGCATGACCTGTATTGGTTCTTCAGTCACAAAGCAAAG
 TCATATACAGAACTGGGAGAGAAGCTCTCATGGCTACTTAAGGCCAAGGACCACCTGAAG
 ATCTACCTCCAAGAAACATCCCGCAGCTCTGGAAGGAAGAAAACACATTCTTCAGAAAG
 AAGATGACTGCAGCTGATGTGTCAAGGCACATGAACACACTTCAGCTGCAGATGGAAGTG
 ACCAGTTCTTGCATCGGTGCGAAAAGTGTGGGACCTCTCAAATCACCCTTTGCCTCTG
 CCAACCTGTTTGAAATAAACACATGAAAATGGATGTTGCCTGCAAGGTGATGCTGGGA
 GGGAAAAATGTAGAAGATGGTTTTGGAATTGCTTTCCGTGTTCTGCAGGACTTCCAGCTG
 GATGCTGCCATGACCTACTGCAGAGCTGCCCGCCAGTTGGTGGAGAAAGAGAAGTACAGT
 GAGATCCAGCAACTGCTCAAATGTGTGAGTGCAGGATGGCAGCCAAAAGTACGGG
 GACACCATCCTCCTCAACTGCCTGGAAGCGTTCAAGAGAATTCGCCCCAGGAGCTGGAG
 GGCTGATCCAGGCAATACACAATGATGACAACAAGGTTGGGCTACCTGATATGTTGC
 AAAGTGCCTTCTGCTACTTGTATTGCTGTGAAGCAAGAACTCACGGGCCACAGCCCTT
 GTCCAGCAGGTGCAGCAGGCCGCAAGAGCAGCGGGGATGCAGTAGTGCAAGACATCTGT
 GCCCAGTGGCTTCTGACAAGCCACCCCGGGGTGCCCATGGCCAGGCTCCAGGAAGTGA

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_015346 unedited <pre> NNNGGGTCTTCCATTTGTAATACCACTCCTATAGGCGGCCGNAATTCGCACGAGGCTG TGATTACCTCCAANAAATTGTCCACCAGGCTGCAGATCCCGAGACCCTCCCTAGATCAC CATCAGCAGAGTTCTCTCCTGCTGCTCCTCGGTATCTCCAGTATACATTCCCCTAGTC TAAGGGAAAGGAGTTTCCACCAACCCAGCCCTCACAGGAATTTGTGCCCCCAGCGACAC CCCCTGCCAGGCACCAAGTGGGTACCGAGCTCGGATCCACTAGTAACGGCCGCCAGTGTGC TGGAATTCGCCCTTGTACTCCGCAATGAGAACATTGAGAATGTGTTCCGCATAACTCAT TTCTTTGTATCTCCTGCACCTGTGCTGGGAAAATGAATCATCCATTTGAAAAGAGGA AGCTGCTTCGCAAGCAGCTTTTTGGATTTTCTGCAATGCCTGCGGAGGGGAGAATG GGAGCTGGCACAGGCATGTGTACCTCAGCTACAGGAGGGACAAGGGGATATCCAAAGAG GGTAGAAGACATACTTCAGGCATTGGTGGTGTGTCCAAATCTGCTGAGATGTGGGAGGA CATCAACCCTCAAAGAGTAGCCTGGGTCTGGCTTCTTGTACTGGAGAAATGGTTGGCCCG GGAAAAGAAGTTACTCCAGTTGTTTTCCGGAGAAAGCTTGAGTTTCTTTATTGTCAGA AGACCTCCAAGGTGACATTCCAGAGAATCCTCGAGGAGCTGTATGAGACCTTAACACA GGGTGCAGTAGGCCACGTGCCTGACGGANATCCAAGGAGAGAGCTGGACTCCTCGTCT CAGCTCCCGAGCTGTCTGTGTCTGGGATCTCCTGAGCAGTCTCC </pre>
Restriction Sites:	Please inquire
ACCN:	NM_015346
Insert Size:	10000 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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. More info
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_015346.2 , NP_056161.2

RefSeq Size: 9688 bp

RefSeq ORF: 9675 bp

Locus ID: 23503

UniProt ID: [Q68DK2](#)

Cytogenetics: 14q24.1

Gene Summary: This gene encodes a protein which contains a FYVE zinc finger binding domain. The presence of this domain is thought to target these proteins to membrane lipids through interaction with phospholipids in the membrane. Mutations in this gene are associated with autosomal recessive spastic paraplegia-15. [provided by RefSeq, Oct 2008]