

Product datasheet for **SC125879**

ZFYVE19 (BC015738) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFYVE19 (BC015738) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZFYVE19
Synonyms:	ANCHR; MPFYVE
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for BC015738 edited
TCTAGGAGACAGGGGCCACGGGGAGAGCACAGCCACTCGGCGCGAAGAGCCCTCTGTACC
CCGCTTCTCTTGAAGCCCTCGGACCGTCCAGGAAATGTCTGGGAGCCCGCTGCGGAGG
GCATAGCGCCGACCCTCGCTCCCGCCAGGACCCGAATGAACCTGGAGAGCGGATGCCA
GCAGTGGCCGAGGCGCTAGGACAGGAAGGACCGCCAGACCTCTCAAGATCAGCCTTCCTC
GCCACCGTTCTCACCTCTTTGTCCGCTGCCTTCTCCTCAATGCCTAGCAGCGGTACAGG
TCCATCTGTAAGAGCTCCTTGGTCACTGCCATGGTTCCGGCCTGACGGATTTCGTACTACA
ACTCCCAAGAGTCTAAGCGCGCGTGAGGACTGCAGGCTCCGAGCGCGCCTAGCCCTCTG
GGAATTGTGTTCTGGGTCAAGCTTGAAGTCTGAGGGAGGCCGCGAGTCGTGAATGAA
CTACGACTCCCAGCAGCCCCGTTGCCGCGCTGCCGTACGCTGGCTGCAGGAGAGCGTC
CGGATTCCCTGCTCTAGGTGCGGCGGGACAGTGCCAGTGGGCGTGTGGGCGGGGCGGG
GCAGGGCAGGGAAGGGAAGGGCGGAGCTGGGGTGAAGGTCCAAGGGGCCAGGACTTGGC
CGGCGTGATCTCAGCTCTGCAGACCTGCGGTGCTGGGAGCCACCATGGAGAGTAGGTGC
TACGGCTGCGCTGTCAAGTTCACCCTCTTCAAGAAGGAGTACGGCTGAAGAATTGTGGC
AGGGCCTTCTGTTCAAGGCTGCCTAAGCTTCAGTGCAGCAGTGCCTCGGACTGGGAACACC
CAACAGAAAGTCTGCAAGCAATGCCATGAGGTCTGACCAGAGGGTCTTCTGCCAATGCC
TCCAAGTGGTCACCACCTCAGAACTATAAGAAGCGTGTGGCAGCCTTGAAGCCAAGCAA
AAGCCCAGCACTTCCCAGAGCCAGGGACTGACACGACAAGACCAGATGATTGCTGAGCGC
CTAGCACGACTCCGCCAGGAGAACAAAGCCCAAGTTAGTCCCTCACAGGCAGAGATAGAG
GCACGGCTGGCTGCCCTAAAGGATGAACGTGAGGTTCCATCCCTTCCACCCAGGAAATG
GAGGCACGACTTGACGCTTGCAGGGCAGAGTTCTACCTTCTCAAACCCCCAGCCGGCA
CATCACACACCGGACACCAGGACCCAAGCCAGCAGACACAGGATCTGCTAACGCAGCTG
GCAGCTGAGGTGGCTATCGATGAAAGCTGAAAAGGAGGAGGCCAGCTGCCTCTCTCCAG
AATGATCTCAACCAGGGTGGCCAGGGAGCACTAATTCCAAGAGGCAGGCCAACTGGTCC
TTGGAGGAGGAGAAGAGCAGACTGCTGGCTGAGGCAGCACTTGAGTTGCGGGAGGAGAAC
ACGAGGCAGGAACGATTCTGGCCCTGGCCAAGCGACTAGCCATGCTGCGGGACAGGAC
CCCGAGAGAGTGACCTCCAGGACTATCGCCTCCAGACAGTGATGACGACGAGGATGAG
GAGACAGCATCCAAAGAGTCTGCAGCAGCTCACTGAAGAAGCTGCCCTGGATGAGGCA
AGTGGCTTTAACATCCCTGCAGAGCAGGCTTCTCGACCTGGACGCAACCCCGGGGGCA
GAGCCTGAGGCCAGGATGTGGACCCAGGCTGAGGCTGAGGAAGAGGAGCTCCCTGG
TGCTGCATCTGCAATGAGGATGCCACCCTACGCTGCGCTGGCTGCGATGGGGACCTCTT
TGTGCCCCTGCTTCCGAGAGGGCCATGATGCCTTTGAGCTTAAAGAGCACCAGACATCT
GCCTACTCTCCTCCACGTGCAGGCCAAGAGCACTGAAGACACCCTGGTCTCCCGGAAGG
GCAGTCCCACAGGCAGCGGCACCCATTTCTGGGCCAGCCACAGGACGTCCGATGGGAGA
GCTTGTCTGGCTCTACTGATGATGGATAGGCCCTTCTGAGCCTTGGTGTCCCTGGAAT
GAGGAAAGATTCTCCATTCGAGAGAATGACTGGGAGGGAAGAAGTCGGGGCCCTCCTATT
AGAAGCCCAGACTGGAAGTGAGAGGCATGATGGGAGAGAGCAGACTGAATCTACGGGTG
AGCCCTGTAACCTGGCTCTAGGGCACAGGCCCTCCCTGGCACTTAGTGGGTCTAATAA
AGTATGTTGATTATTGGGAA
AAAAAAAAA

5' Read Nucleotide Sequence:	>OriGene 5' read for BC015738 unedited NAGTTCGAATTTTGTATACGACTCATATAGGCGGCCGCGNAATTCGCACGAGGGTCTAGG NAAACAGNGGCCACGGGAGAGCAGCCACTCGGCGCGAAGAGCCCTCTGTACCCCG CTTCCTTTGAGGCCCTCGGACCGTCCAGGAAATGTCTGGGAGCCCGCTGCGGAGGGCA TAGCGCCGACCTCGCTCCCCGCCAGGACCGAATGAACCTGGAGAGCGGATGCCAGCA GTGGCCGAGGCGCTAGGACAGGAAGGACCGCCAGACCTCTCAAGATCAGCCTTCTCGCC ACCGTTCTCACCTCTTTGTCCGCTGCCTTCTCCTCAATGCCTAGCAGCGGTACAGGTCC ATCTGTAAGAGCTCCTTGGTCACTGCCATGGTTCCGGCCTGACGGATTCTGACTACAACT CCCAAGAGTCTAAGCGCGCTGAGGACTGCAGGCTCCGAGCGGCCCTAGCCCTCTGGGA ATTGTGTTCTGGGTCAGGCTTGACTGACTCTGAGGGAGGCCGGCAGTCGTGAATGAACTA CGACTCCCAGCAGCCCCGTTGCCGCCGCTGCCGTACGCTGGCTGCAGGAGAGCGTCCGG ATTCCCTGCTCTAGGTCGCGCGGGACAGTGCCAGTGGGCGTGTGGGCGGGCGGGGCA GGGCAGGAAGGGAAGGGCGGAGCTGGGGTGGGGTCCAAGGGGCCAGGACTTGCCCGG CGTGATCTCAGCTCTGCAGACCCTGCGGTGCTGGGAGCCACCATGGAGAGTANGTGCTAC NGCTGCGCTGTCAAGTTACCCCTCTTTTCAAGAGTACGGCTGTNAGAATGTGGCANGGC CTTCTGTNANGCTGCCTAAGCTCAGTGCAGCAGTGCCTCGNACTGGGAACACCCACAGAA AGTCTGCAGCCATGCCATGAGGT
Restriction Sites:	Please inquire
ACCN:	BC015738
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:	BC015738.1
RefSeq Size:	2290 bp
Locus ID:	84936
Cytogenetics:	15q15.1

Gene Summary:

Key regulator of abscission step in cytokinesis: part of the cytokinesis checkpoint, a process required to delay abscission to prevent both premature resolution of intercellular chromosome bridges and accumulation of DNA damage. Together with CHMP4C, required to retain abscission-competent VPS4 (VPS4A and/or VPS4B) at the midbody ring until abscission checkpoint signaling is terminated at late cytokinesis. Deactivation of AURKB results in dephosphorylation of CHMP4C followed by its dissociation from ZFYVE19/ANCHR and VPS4 and subsequent abscission.[UniProtKB/Swiss-Prot Function]