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Product datasheet for SC315569

ZFYVE19 (NM_001077268) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFYVE19 (NM_001077268) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZFYVE19
Synonyms:	ANCHR; MPFYVE
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

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>OriGene sequence for NM_001077268 edited
TCTAGGAGACAGGGGCCACGGGGAGAGCACAGCCACTCGGCGCGAAGAGCCCTCTGTACC
CCGCTTCCTCTTGAGGCCCTCGGACCGTCCAGGAAATGTCTGGGAGCCCGCCTGCGGAGG
GCATAGCGCCGACCCTCGCTCCCCGCCCAGGACCCGAATGAACCTGGAGAGCGGATGCCA
GCAGTGGCCGAGGCGCTAGGACAGGAAGGACCGCCAGACCTCTCAAGATCAGCCTTCCTC
GCCACCGTTCTCACCTCTTTGTCCGCTGCCTTCTCCTCAATGCCTAGCAGCGCGTACAGG
TCCATCTGTAAGAGCTCCTTGGTCACTGCCATGGTTCCGGCCTGACGGATTCGTACTACA
ACTCCCAAGAGTCTAAGCGCGCGTGAGGACTGCAGGCTCCGAGCGGCGCCTAGCCCTCTG
GGAATTGTGTTCTGGGTCAGGCTTGACTGACTCTGAGGGAGGCCGGCAGTCGTGAATGAA
CTACGACTCCCAGCAGCCCCCGTTGCCGCCGCTGCCGTACGCTGGCTGCAGGAGAGCGTC
CGGATTCCCTGCTCTAGGTCGCGGCGGGACAGTGCCAGTGGGCGTGTGGGGCGGGGCAGG
GCAGGGAAGGGAAGGGCGGAGCTGGGGTGAGGGTCCAAGGGGCCCAGGACTTGGCCGGCG
TGATCTCAGCTCTGCAGACCCTGCGGTGCTGGGAGCCACCATGGAGAGTAGGTGCTACGG
CTGCGCTGTCAAGTTCACCCTCTTCAAGAAGGAGTACGGCTGTAAGAATTGTGGCAGGGC
CTTCTGTTCAGGCTGCCTAAGCTTCAGTGCAGCAGTGCCTCGGACTGGGAACACCCAACA
GAAAGTCTGCAAGCAATGCCATGAGGTCCTGACCAGAGGGTCTTCTGCCAATGCCTCCAA
GTGGTCACCACCTCAGAACTATAAGAAGCGTGTGGCAGCCTTGGAAGCCAAGCAAAAGCC
CAGCACTTCCCAGAGCCAGGGACTGACACGACAAGACCAGATGATTGCTGAGCGCCTAGC
ACGACTCCGCCAGGAGAACAAGCCCAAGTTAGTCCCCTCACAGGCAGAGATAGAGGCACG
GCTGGCTGCCCTAAAGGATGAACGTCAGGGTTCCATCCCTTCCACCCAGGAAATGGAGGC
ACGACTTGCAGCGTTGCAGGGCAGAGTTCTACCTTCTCAAACCCCCCAGCCGGCACATCA
CACACCGGACACCAGGACCCAAGCCCAGCAGACACAGGATCTGCTAACGCAGCTGGCAGC
TGAGGTGGCTATCGATGAAAGCTGGAAAGGAGGAGGCCCAGCTGCCTCTCTCCAGAATGA
TCTCAACCAGGGTGGCCCAGGGAGCACTAATTCCAAGAGGCAGGCCAACTGGTCCTTGGA
GGAGGAGAAGAGCAGACTGCTGGCTGAGGCAGCACTTGAGTTGCGGGAGGAGAACACGAG
GCAGGAACGGATTCTGGCCCTGGCCAAGCGACTAGCCATGCTGCGGGGACAGGACCCCGA
GAGAGTGACCCTCCAGGACTATCGCCTCCCAGACAGTGATGACGACGAGGATGAGGAGAC
AGCCATCCAAAGAGTCCTGCAGCAGCTCACTGAAGAAGCTGCCCTGGATGAGGCAAGTGG
CTTTAACATCCCTGCAGAGCAGGCTTCTCGACCCTGGACGCAACCCCGCGGGGCAGAGCC
TGAGGCCCAGGATGTGGACCCCAGGCCTGAGGCTGAGGAAGAGGAGCTCCCCTGGTGCTG
CATCTGCAATGAGGATGCCACCCTACGCTGCGCTGGCTGCGATGGGGACCTCTTCTGTGC
CCGCTGCTTCCGAGAGGGCCATGATGCCTTTGAGCTTAAAGAGCACCAGACATCTGCCTA
CTCTCCTCCACGTGCAGGCCAAGAGCACTGAAGACACCCTGGTCCTCCCGGAAGGGCAGT
CCCACAGGCAGCGGCACCCATTTCTGGGCCCCGCCACAGGACGTCCGATGGGAGAGCTTG
TCTGGCTCTACTGATGATGGATAGGCCCCTTCCTGAGCCTTGGTGTCCCTGGAATGAGGA
AAGATTCTCCATTCGAGAGAATGACTGGGAGGGAAGAAGTCGGGGCCCTCCTATTAGAAG
CCCAGACTGGAAGTGAGAGGCATGATGGGGAGAGACCAGACTGAATCTACGGGTGAGCCC
TGTAACCTGGCTCTAGGGCACAGGCCCCTCCCCTGGCACTTAGTGGGTCTAATAAAGTAT
GTTGATTCATTGGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAA
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Restriction Sites: Please inquire

ACCN: NM_001077268

Insert Size: 2300 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).

OTI Annotation:	The ORF of this clone has been fully sequenced and found to contain one SNP compared with NM_001077268.1.
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_001077268.1, NP_001070736.1
RefSeq Size:	2293 bp
RefSeq ORF:	1416 bp
Locus ID:	84936
UniProt ID:	Q96K21
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] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).