OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC125687

ZFYVE19 (BC021092) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFYVE19 (BC021092) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZFYVE19
Synonyms:	1500041L05Rik; MGC117612; MPFYVE; OTTMUSP00000016783; zinc finger, FYVE domain containing 19
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC021092 edited

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CTCAGCTCTGCAGACCCTGCGGTGCTGGGAGCCACCATGGAGAGTAGGTGCTACGGCTGC
GCTGTCAAGTTCACCCTCTTCAAGAAGGAGTACGGCTGTAAGAATTGTGGCAGGGCCTTC
CGTTCAGGCTGCCTAAGCTTCAGTGCAGCAGTGCCTCGGACTGGGAACACCCAACAGAAA
GTCTGCAAGCAATGCCATGAGGTCCTGACCAGAGGGTCTTCTGCCAATGCCTCCAAGTGG
TCACCACCTCAGAACTATAAGAAGCGTGTGGCAGCCTTGGAAGCCAAGCAAAAGCCCAGC
ACTTCCCAGAGCCAGGGACTGACACGACAAGACCAGATGATTGCTGAGCGCCTAGCACGA
CTCCGCCAGGAGAACAAGCCCAAGTTAGTCCCCTCACAGGCAGAGATAGAGGCACGGCTG
GCTGCCCTAAAGGATGAACGTCAGGGTTCCATCCCTTCCACCCAGGAAATGGAGGCACGA
CTTGCAGCGTTGCAGGGCAGAGTTCTACCTTCTCAAACCCCCCAGCCGGCACATCACACA
CCGGACACCAGGACCCAAGCCCAGCAGACACAGGATCTGCTAACGCAGCTGGCAGCTGAG
GTGGCTATCGATGAAAGCTGGAAAGGAGGAGGCCCAGTGACCCTCCAGGACTATCGCCTC
CCAGACAGTGATGACGACGAGGATGAGGAGACAGCCATCCAAAGAGTCCTGCAGCAGCTC
ACTGAAGAAGCTGCCCTGGATGAGGCAAGTGGCTTTAACATCCCTGCAGAGCAGGCTTCT
CGACCCTGGACGCAACCCCGCGGGGCAGAGCCTGAGGCCCAGGATGTGGACCCCAGGCCT
GAGGCTGAGGAAGAGGAGCTCCCCTGGTGCTGCATCTGCAATGAGGATGCCACCCTACGC
TGCGCTGGCTGCGATGGGGACCTCTTCTGTGCCCGCTGCTTCCGAGAGGGCCATGATGCC
TTTGAGCTTAAAGAGCACCAGACATCTGCCTACTCTCCTCCACGTGCAGGCCAAGAGCAC
TGAAGACACCCTGGTCCTCCCGGAAGGGCAGTCCCACAGGCAGCGGCACCCATTTCTGGG
CCCCGCCACAGGACGTCCGATGGGAGAGCTTGTCTGGCTCTACTGATGATGGATAGGCCC
CTTCCTGAGCCTTGGTGTCCCTGGAATGAGGAAAGATTCTCCATTCGAGAGAATGACTGG
GAGGGAAGAAGTCGGGGCCCTCCTATTAGAAGCCCAGACTGGAAGTGAGAGGCATGATGG
GGAGAGACCAGACTGAATCTACGGGTGAGCCCTGTAACCTGGCTCTAGGGCACAGGCCCC
TCCCCTGGCACTTAGTGGGTCTAATAAAGTATGTTGATTCATTGGGAAAAAAAAAAAAAA
AAAAAA
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5' Read Nucleotide Sequence:

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>OriGene 5' read for BC021092 unedited
NNGGGGACCTTCGGTTTTTGTAAACNATTACTATAGGCGGACCGCGAATTCGCACGAGGC
TCAGCTCTGCAGACCCTGCGGTGCTGGGAGCCACCATGGAGAGTAGGTGCTACGGCTGCG
CTGTCAAGTTCACCCTCTTCAAGAAGGAGTACGGCTGTAAGAATTGTGGCAGGGCCTTCC
GTTCAAGCTGCCTAAGCTTCAGTGCAGCATTGCCTCGGACTGGGAACACCCAACAGAAAG
TCTGCAAGCAATGCCATGAGGTCCTGACCAGAGGGTCTTCTGCCAATGCCTCCAAGTGGT
CACCACCTCAGAACTATAAGAAGCGTGTGGCAGCCTTGGAAGCCAAGCAAAAGCCCAGCA
CTTCCCAGATCCAGGGACTGACACGACAAGACCAGATGATTGCTGAGCGCCTAGCACGAC
TCCGCCAGGATAACAGGCCAAGTTAGTCCCCTCACCAGCAGAGATAGAGGCACGGCNTGC
CTGCCCCTAAGGATGAACTTCAGGGTTCATTCCCTTCCCCCCCGAAAATGGCGGCCCAAT
TTGAACCTTTACAGGGAAAATTTTTCCCTTTTAAAACCCCCGGGGGGGGCATTTTCAACC
CGGACCCCCGACCCCTAGCCCCAAAAAAAAANATTTTTTTAAACCCCTTTGGGGCGCGGG
GGGGGGTTTTTTAAAAAAACCGTGGGGAGGGGAGGGGGGCGGGAAAACCCCCCCCAATTT
TTTTTCCCCCCCCCCCCCGGTTTTCCCAAGGGGGGGTGGGGAGGCGCCCCCCCCCAAANA
TTTCCCCGCCGCCCCAAAAAAAAAAAAACACCTCACTTACCAAAGGAGGAGGTATATCAC
ATACCCTCTCCAAACGGGTGTTTCTCTCTCCCACCCCCCCCCCCCCCCTTAACAATAACC
CGCCGGCGGGCGGGAGGCGCCCACCCCCGCCGCCAGGAAATAG
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Restriction Sites: Please inquire

ACCN: BC021092

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: BC021092.1, AAH21092.1

RefSeq Size: 1386 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]