

Product datasheet for **MC202884**

Zfyve19 (NM_028054) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfyve19 (NM_028054) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zfyve19
Synonyms:	1500041L05Rik; ANCHR
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC018420 sequence for NM_028054 CGCCGATGGGCGTGTGGGACTGGGCTGCACAACCTGAGGGTCTGAGAGGCCTACCCTGCGTTGGTGAGAG GCTAACCTACCAATTCTGCAGCGCCGAGAACTGCTATGGAGAGCAGGTGCTACGGCTGTGCTGTCAAGTT CACCTCTTCAAGAAGGAGTATGGCTGTAAGAATTGTGGCCGAGCCTTCTGTAACGGCTGTCTTAGCTTC AGCGCTCTGGTACCCCGGCTGGCAACACACAAGAAAGTCTGCAAGCAGTGCCACACAATCCTGACCA GAGGGTCTTGTGACAGTGCCTCCAAGTGGTCACCACCTCAGAACTATAAGAAGCGTGTGGCAGCCTTGA AGCCAAGAAAAAGTCCAGCACTTCCAGAGCCAAGGCCTGACCCACAAAGACCAAGCCATCGCTGAGCGC CTAGCACGGCTTCGTGAGGAAACAAGCCCAAGTCAGTACCCTCACAAGCCGAGATAGAGGCACGGCTAG CCGCACTGAAGGATGAAGTCCAGGGCCCCATTCTTCCACGCAGGAGATGGAGGATCGGCTTGACGCCTT GCAGGGCAGAGTCCCGCTTCTCACACCGTGAGACTGGCACACCAGGCACAGATACCAGGACCCAGGCC CAGCAGACGCAGGATCTGCTAACACAGTTGACAGCTGAGGTGGCTATTGATGAAAAGTCCCAACCAAGAG CCTCAGCCTCTCTCCAGAATGACCTCAACAAGGGAGCTGCGAGAAGCCAGCGCACAAATCCAGGGCCA GGCCAGCCAGTCTCTGGAGGCAGAGAAGTACAAGCTGCTGGCTGAGGCAGCTGTTGAGCTACAGGAGGAG AACACCAGGCAGGAACGGATCCTGGCTCTTGCCAAAAGATTGGCTGTGCTGAAGGGACAGGACCCAGCA GAGTGACCCTCCAGGACTATCACCTCCCAGACAGTGATGAGGATGAAGAGACAGCCATCCAGAGAGTCAT GCAGCAGTCACTGAAGAAGCTGCCCTGGATGAGGCAAGTGGCTTTAACATCCCTGAGAAACCAAGCTCCA GGATCCCGGGCCCAACCTGCAAGGCAGAGATGGAGGGGCCCCAGGCTGAGGAGGAGGAAGTCCCTGGT GCTGTATCTGCAATGAGGATGCTACTTTGCGCTGTGCTGGCTGTGATGGGGACCTCTACTGTGCCCGGTG CTTCCGGGAGGGCCATGATAACTTTGATCTTAAGAACATCAGACTTCTCCCTACCACCCCGACGGCCT TGCCAAGAACTGAGGATAACCTAATGATCTCCTGAGGTGGCTGTGCCACAGGCAACCAGCAGGCTGGG AAGACTCCTGGGCCAAGTCTCAGGGCATCCAGGGGACAGAAGACCCTGCTCTACTGATGGTAAACACAC CCTTTTGTGAGCTTCCAGTCCCTGGAAGGAAGAAACATAATAAGTCTGAGAGGGCCAGGTGAGAGGAG GAGTCATGGCCCTCCCTAAGAGGCTGGCTCAAACAGAGACAGATGGAGAAGACACCATACTGAAGCTA AAAGTGATACCTGAAATCTGCTTCCAGGCCCAATCCTGGCTATACTGGGATCTAATAAAATGTGTTGAG CCATTGAAAAA
Restriction Sites:	RsrII-NotI


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ACCN:	NM_028054
Insert Size:	1170 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC018420</u> , <u>AAH18420</u>
RefSeq Size:	1634 bp
RefSeq ORF:	1170 bp
Locus ID:	72008
UniProt ID:	<u>Q9DAZ9</u>
Cytogenetics:	2 E5
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 (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) is the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.