

## Product datasheet for MC202325

### Zfyve16 (NM\_173392) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Zfyve16 (NM\_173392) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Zfyve16  
**Synonyms:** AI035632; B130024H06Rik; B130031L15; mKIAA0305  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC042669 sequence for NM\_173392  
 CGGACCGTGGGCTGGCGTCGCGCTGTCCTGGGTGTCGTGGCCGGGTTACTCTTCACGCCTCACTGCGGC  
 GTCGCGTCGAGTCCCGAGAGCTCGGCGGGGTGTGGGAGACATAGAAGAATTGAGTTCTGAGTAAGCCC  
 ACAGGGAGGATGGACAGTTACTTTAAAGCAGCTGTCAGTGGCTTGACAACTTCTTGATGATTTTGAGC  
 AGAATCCAGATAAGCAAGATTATCTCCAGATGCATATGCTTTTAAACAGTGCTCAGTTTCTCAGAGTC  
 GGCCTCTCCACAGCTAGCTTTACTGTCAAAGGACCAAAGATGCATCAGTACTTGTGCCTCATCAGAAGCA  
 TGCTGTGAAGATGCAAATGAGACTTTTTCTGAAGGAAAGATACACGAGGGCTTAACCTCTAGACCGAATG  
 AAAAAACGTAGCGGGACTTGATCTTCTTTCTGTGGATGCGAGTACTTCAGATGAGATCCAGCCTTC  
 CTGTATGAGACGGTGTAGTAAGCCTGTCTGTGACCTGATAAGTGACATGGGTAACCTAGTGCATGCCACC  
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 AGAGCAGAATAACATCAACGCTGGTATAAAAAACAGAGATATTAGTATCAAAGAATTGGGTGTAAGTA  
 GACATGGCACTTTTTGATTCTTGTAAATAATAAGAACAGAAAATTTAAAGGATAAAAATTTTCTAATG  
 AGTTAGAAACAGTTGATTTTGACATGCCATCTGTTTTGATGGAACAAAGTTCTGAAATGTCTAATACCAA  
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 TTTCAATTGCTGGTCTTTGTGGATCGTTAATTCACAATAATGAACACAGTGATATTTTACCTCCTAA  
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 GGGGAGACAGATCTTTCAAAGAAGGAAACGTGTAGGAGCATATTTCTTCAGCCAGTAAATGAAAAGAAAAG  
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 CTCTGCTGCAGCAGCTGGGTCTCCGGTGGCACTTTCTGCTGCAAGTGTCCAGAGGCTCCTGGTCCATGT  
 GAAGGTCTCACTTTTCCAGCAGTGATATGGATGGCAAGAGTTAGATTACTTTAATATTGATGAAAGCA  
 TGAGAAGTGGCATACTAATTAGCGATGCTGAACCTCGATGCTTTTCTGAAGGAACAGTGTCTTTCGAACTC  
 TAACACAATGTCTGCTGGAGAAAATGTAATGATTTCCAGTTGCAGATGAATCAGATCACTATGAAAGGA



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CTACATGATGAAAATGCTGGGGATATATACTTCAATGCTGAAGCAGGAGCTGCTGGAGAAAATGGAGGTG  
 TTGGCAACTGTGAAACAAGTGATAAAGAAAAACACAGAAAATAATGGTCTTTCCATAGGAGAAAAAGGCGC  
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 GATTCATATGAAATGGGAAAAAGCTGTATAAAAATACCTCGAAAAAGTACAGTGTGTAATGAAGGTA  
 ATACATTCCTCTAACGAGCAGTCATCAGTATTGGAGCTAGTTTTAGTACAGAAGCAGATTTCTCATCTGG  
 TCTGTGTACAGAGTGATGGAGTTTATCAGACTCAGGCCAACAGTCCACTGGTACGCCAAGGAAAGTGAC  
 AGGTGCAAGTTTTGTGGTGTAAATGGTGTCTGAAAACATCTTCAGGATTTCTTGCCAAATCCAGCATA  
 GTCGAAGATGGCTTAATGGTACAATAACTCCAGAGACCATGGAGGGCTTGCGGCTGGCTTTACGAGAGC  
 AAAAGGACTTTAGAATCCAGTGTGGAAGTTGATGCGGTAGACCTGAGAGAGTATGTGGACATCTGTTG  
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 AGAGTGTCCATTGACACTGATATGGTTGAGTTCCAGGCAGGCTGTGAAGGCCAGCTTCTGCCTCAGCATT  
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 TACAATTTACAGTATTTACTGTGTACCTTAACTGTTAAGCCAAAGCATCTGCGCTTAGCCCTACTCTCA  
 TAGATGACGAGAATGAAGGAGAGACCTGCGTTGTGTGGATGCTAGTGAGAACACTGGTTTTGAAGTCTGT  
 TTAATAATGTATCTCAGTAAGGAAGACCAGTTTCAAGATTCTAGACTTATAATTCTTTGAATAAAGCTGA  
 TAACCTATTTGTATAAATGGAATGAAGACCTACCTCCATGATTACATACAACTGTTTGATTAATTTAG  
 AATTTTGCCTTTATTTCTCTCAATTTTCTATGATCTATATATATATACACACATATAAATATATCAT  
 TTTTTCTGATTAATAAATTGCGGGTGCTTTAGGACTTTATGCTTCTCTATTTAAGTCTGTTGTTCCAT  
 AGCAACATATGATTTGGAATGTGTTTTATAAATCTTTGCTAATATATAAATAGATAATAAAAAAAAAAAAA

AAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:**

RsrII-NotI

**ACCN:**

NM\_173392

**Insert Size:**

4587 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.

**RefSeq:**

[BC042669](#), [AAH42669](#)

**RefSeq Size:**

5480 bp

**RefSeq ORF:**

4587 bp

**Locus ID:**

218441

**UniProt ID:**

[Q80U44](#)

**Cytogenetics:**

13 C3

**Gene Summary:**

May be involved in regulating membrane trafficking in the endosomal pathway. Overexpression induces endosome aggregation. Required to target TOM1 to endosomes (By similarity).[UniProtKB/Swiss-Prot Function]