

## Product datasheet for **MC217823**

### Zmynd11 (BC058999) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zmynd11 (BC058999) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zmynd11
Synonyms:	2210402G22Rik; BS69
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC058999  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGTCGCCGAGTCCACGGTATGCATCCCAAAGAGACCACCCGCAGCTGAGCTTAGCTGTGAAAGATGGTC  
TTATTGTCGAAACTCTAACAGTGGGCTGCAAAGGTTCAAAGCTGGTATTGAACAGGAAGGATATTGGTT  
ACCAGGAGATGAGATTGACTGGGAAACAGAAACTCATGACTGGTATTGTTTTGAATGCCATTTGCCTGGA  
GAGGTGTTGATATGTGACCTGTGTTTTCGTGTGTATCATTCCAAGTGTGTTGTCTGATGAGTTCAGGCTTA  
GAGACAGCAGTAGTCACTGGCAGTGGCCAGTTTGCAGGAGCATTAAAGAAGAAGCACTCTAACAAAGCAGGA  
AATGGGCACCTACTTGAGGTTTCATCGTCTCCCGAATGAAGGAGCGGGCTATAGACCTTAATAAGAAAGGA  
AAGGACAGTAAGCATCCTATGTACCGGAGGCTGGTCCACTCAGCTGTTGACGTCCCTACCATAACAAGAGA  
AGGTGAATGAGGGGAAGTACCGGAGTTACGAGGAGTTCAAGGCTGACGCACAGCTGCTTCCACAACAC  
AGTGATCTTCTATGGAGACAGTGAAGCAGCGGACATTGCACGGATGTTATATAAAGACACGTGTCACGAG  
CTGGACGAGCTGCAGCTTGAAGAACTGCTTCTATCTGTCAAACGCACGCCGACAACAGTGGTTCTGCT  
ACCTTGCATACCTAATCATGAGCTGGTTTGGGCTAAAATGAAAGGTTTTGGGTTTTGGCCAGCCAAAGT  
CATGCAGAAAGAAGACAATCAAGTGGATGTTTCGCTTCTTTGGCCATCACCACCAGAGAGCCTGGATTCTT  
TCTGAAAACATCCAGGATATCACGGTCAATGTTACCAGCTGCACGTGAAGCGCAGCATGGGCTGGAAGA  
AGGCTGTGACGAGCTGGAAGTGCATCAGCGCTTCTCCGTGAAGGAAGGTTCTGGAAGTCTAAGAAATGA  
GGACCGAGGTGAGGAAGAGGCAGAATCCAGTATCTCCTCCACCAGTAACGAGCAGCTGAAGGTCACTCAA  
GAGCCAAGAGCAAAGAAAGGACGACGTAATCAGAGTGTGGAGCCAAAAAGGAAGAACCCGAGCCAGAAA  
CGGAAGCAGTGAAGTCCAGCCAGGAAATCCCCACAATGCCTCAGCCAATTGAGAGGTTGTCAGTGTCAAC  
CCAGACCAAGAAGTTAAGTGCCTTCCCCACGAATGCTGCATCGAAGCACTCAGACGACGAGCGACGGC  
GTCTGTGACAGCATGTGCCACGCAAGTACACCAAAATTTTTAATGACTTTAAAGACAGGATGAAGTCGG  
ACCACAAGCGGGAAACAGAGAGAGTGGTCCGTGAAGCGCTGAAAAAGTTGCGTTCTGAAATGGAAGAAGA  
AAAAAGACAGGCCGTGAACAAAGCTGTGGCCAGCTGCAGGGCGACATGGACAGAAAGGTTAAGCAGCTG  
AAGGAGAAGTGAAGGAAGATTTGTAGAGGAGATCAAGAAGCTAGCGGCGCAGCACAAGCAGCTCATT  
CCCAGACCAAGAAGAAGCAGTGGTGTACAACGTGAGGAGGAGGCCATGTACCAGTGTGCTGGAACAC  
GTCCTACTGCTCCATCAAGTGCCAGCAGGAGCACTGGCACGCAGAGCACAAGCGCACCTGCCCGCGAAG  
AGATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC058999

Insert Size: 1686 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:** [BC058999](#), [AAH58999](#)

**RefSeq Size:** 4107 bp

**RefSeq ORF:** 1685 bp

**Locus ID:** 66505

**Cytogenetics:** 13 A1

**Gene Summary:** Chromatin reader that specifically recognizes and binds histone H3.3 trimethylated at 'Lys-36' (H3.3K36me3) and regulates RNA polymerase II elongation. Does not bind other histone H3 subtypes (H3.1 or H3.2). Colocalizes with highly expressed genes and functions as a transcription corepressor by modulating RNA polymerase II at the elongation stage (PubMed:24590075). Binds non-specifically to dsDNA (By similarity). Acts as a tumor-suppressor by repressing a transcriptional program essential for tumor cell growth (PubMed:24590075).[UniProtKB/Swiss-Prot Function]