

## Product datasheet for **MR208886**

### Zmynd11 (BC058999) Mouse Tagged ORF Clone

#### Product data:

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



[View online »](#)

**ORF Nucleotide Sequence:**

>MR208886 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTC**CCGAGTCCACGGTATGCATCCCAAAGAGACCACCCGCAGCTGAGCTTAGCTGTGAAAGATGGTC**  
 TTATTGTCGAAACTCTAACAGTGGGCTGCAAAGGTTCAAAGCTGGTATTGAACAGGAAGGATATTGGTT  
 ACCAGGAGATGAGATTGACTGGGAAACAGAAACTCATGACTGGTATTGTTTTGAATGCCATTTGCCTGGA  
 GAGGTGTTGATATGTGACCTGTGTTTTCGTGTGTATCATTCCAAGTGTGTTGTCTGATGAGTTCAGGCTTA  
 GAGACAGCAGTAGTCACTGGCAGTGGCCAGTTGCAGGAGCATTAAAGAAGAAGCACTCTAACAAAGCAGGA  
 AATGGGCACCTACTTGAGGTTTCATCGTCTCCCGAATGAAGGAGCGGGCTATAGACCTTAATAAGAAAGGA  
 AAGGACAGTAAGCATCCTATGTACCGGAGGCTGGTCCACTCAGCTGTTGACGTCCCTACCATAACAAGAGA  
 AGGTGAATGAGGGGAAGTACCGGAGTTACGAGGAGTTCAGGCTGACGCACAGCTGCTTCTCCACAACAC  
 AGTGATCTTCTATGGAGACAGTGAAGCAGCGGACATTGCACGGATGTTATATAAAGACACGTGTCACGAG  
 CTGGACGAGCTGCAGCTTGAAGAACTGCTTCTATCTGTCAAACGCACGCCCCGACAACCTGGTTCTGCT  
 ACCCTTGACATACCTAATCATGAGCTGGTTTGGGCTAAAATGAAAGGTTTTGGGTTTTGGCCAGCCAAAGT  
 CATGCAGAAAGAAGACAATCAAGTGGATGTTTCGCTTCTTTGGCCATCACCACCAGAGAGCCTGGATTCTT  
 TCTGAAAACATCCAGGATATCACGGTCAATGTTACCGACTGCACGTGAAGCGCAGCATGGGCTGGAAGA  
 AGGCTGTGACGAGCTGGAAGTGCATCAGCGCTTCTCCGTGAAGGAAGGTTCTGGAAGTCTAAGAAATGA  
 GGACCGAGGTGAGGAAGAGGCAGAAATCCAGTATCTCTCCACCAGTAACGAGCAGCTGAAGGTCACTCAA  
 GAGCAAGAGCAAAGAAAGGACGACGTAATCAGAGTGTGGAGCCAAAAAGGAAGAACCAGCCAGCAAAA  
 CGGAAGCAGTGAAGTCCAGCCAGGAAATCCCAACAATGCCTCAGCCAATTGAGAGGGTGTCAAGTCAAC  
 CCAGACCAAGAAGTTAAGTGCCTTCTCCACGAATGCTGCATCGAAGCACTCAGACGACGAGCGACGGC  
 GTCTGTGACAGCATGTGCCACGCAAGTACACCAAAATTTTTAATGACTTTAAAGACAGGATGAAGTCGG  
 ACCACAAGCGGGAAACAGAGAGAGTGGTCCGTGAAGCGCTGGAAGGTTGCGTTCTGAAATGGAAGAAGA  
 AAAAAGACAGGCCGTGAACAAAGCTGTGGCCAGCTGCAGGGCGACATGGACAGAAAGGGTAAGCAGCTG  
 AAGGAGAAGTGAAGGAAGAGTTTGTAGAGGAGATCAAGAAGCTAGCGGCGCAGCACAAGCAGCTCATT  
 CCCAGACCAAGAAGAAGCAGTGGTGTACAACGTGAGGAGGAGGCCATGTACCACTGCTGCTGGAACAC  
 GTCCTACTGCTCCATCAAGTGCCAGCAGGAGCACTGGCACGCAGAGCACAAGCGCACCTGCCCGCGAAG  
 AGA

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT**  
**ACAAGGATGACGACGATAAGGTTTAA**

**Protein Sequence:**

>MR208886 protein sequence  
 Red=Cloning site Green=Tags(s)

MSRVHGMHPKETTRQLSLAVKDGLIVETLTVGCKGSKAGIEQEGYWLPGDEIDWETETHDWCYFECHLPG  
 EVLIDCLCFRVYHSKCLSDEFRLRDSSSHQPCVCRSIIKKHNSNKQEMGTYLRFIVSRMKERAIDLNKKG  
 KDSKHPMYRRLVHSAVDVPTIQEKVNEGKYRSYEEFKADAQLLLHNTVIFYGDSEQADIARMLYKDTCHE  
 LDELQLCKNCFYLSNARPDNWFYCIPNHEL VWAKMKGF GFWPAKVMQKEDNQVDVRRFFGHHHQRWIP  
 SENIQDITVNVHRLHVKRSMGWKKACDELELHQRFLREGRFWKS KNEDRGEEEAESSISSTSNEQLKVTQ  
 EPRAKKGRRNQSVPEPKKEPEPE TEAVSSSQEIP TMPQPIERVSVSTQT KKL SASSPRMLHRSTQTSDG  
 VCQSMCHDKYTKIFNDFKDRMKS DHKRE TERVVREALEKLRSEMEEEKRQAVNKAVASLQGDMDRKGKQL  
 KEKCKEEFVEEIKKLA AQHKQLISQTKKKQWCYNCEEEAMYHCCWNTSYCSIKCQEQEHWHAEHKRTCRRR  
 R

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** BC058999

**ORF Size:** 1683 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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

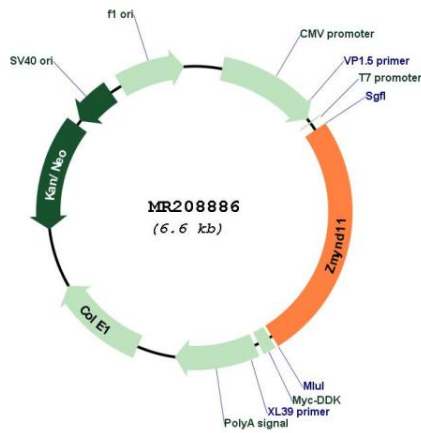
**Cytogenetics:** 13 A1

**MW:** 66 kDa

**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]

**Product images:**



Circular map for MR208886