

## Product datasheet for **MC221211**

### Zmynd15 (NM\_001029929) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zmynd15 (NM_001029929) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zmynd15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221211 representing NM\_001029929  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGTTTGTGCTGGATACCGAGACGAGTTCCTCGATTTTGTGCTCTTCTTTGGCTGGTTCGCA  
 AGTTTGTGGCAGAGAGGGGGACCATGGGGACCAGCCTTGAGGGCCGATGGCGTCAACTGGAGTACAGAT  
 AAGGAGGCTGCCTCAGGATCCTGCCCTTTGGTGCTCCATGTCTTACAAACCGCAGTGTGGGCATCAGC  
 CTGGGGCAAGGTGCCGAGCCAGGTCTGGGCCAGGCCTAGGGGCTTCCCGGCTCTGGGAGATGAGCCTC  
 CACTTCACCTGAGAGACCTGAGTCTTATGTCACTTTTGTGAGCCTAGAGGATGGGGAAGAAGGGGAGGA  
 GGAGGAGGAAGATGAGGAGCATGGAGAGAGGCCAGGCATGGAGAAGGTGGAACACAGGAGGGTGGGGAG  
 CCAGCCCTCCAAGCAAGAGATCCCCCAAGAAGCAAAGCCTGCTCCAGAGTCAGAGGTGACCCAGCAGG  
 AGGCAAGCCGAGAAGAAGGCAGCAGAGAGGAGCGACCAGAGGATGAGAGGGCTCTGAAAAGAGGAAAGG  
 ACAGAAGAATGCAGAGGCTGCCCCCTGCACCTTCTGCTTTTGTGCTGGTGACGGACGAGCATGGCACC  
 ATCTTGGGCATTGATCTGCTAATGGATGGAGCCAGGGGAGTGTAGGCCAGAACCAGGCACTGAGAATC  
 TGGCTCCTCGGGCCTATGCTCTCCTCTGTATAGCATGGCCTGCCCTATGGGCTCTGGGGACCCCGCAA  
 GCCCCGACAGCTTACCGTAGGAGACGCCATCTCCATCGAGAGCTAGAGAGCCTGGTCCCAAGGCTGGGT  
 GTGAAGTTGGCAAAAACCCCAATGCGCACGTGGGGTCTCGGCCAGGTTTTACTTTTGCCTCCCTTCGGG  
 CTCGAACCTGCCATGTTTGTACAAGCACAGCTTTGAGGTGAAGTTGACACCCTGCCCCAGTGCAGTGC  
 AGTCTTGTACTGTGGAGAGGCTTGTCTCCAGGCTGATTGGCGCGATGCCAGATGACGTGAGCCACCGA  
 TTCTGGTGCCCAAGGCTCTCAGCGTTTCAAGGAGGCTTCCAGGAGGCTGGGAGAACTGGCAAGTTTGCCTTTCACCTATA  
 CTGCAGAAGTTACCAGTAAACCTTTAACAGGAAGCTTCTGCGCTCCCGAGGCTCACTCGTGGTTA  
 TTGGACCCAGCTCAGCATGCTGATTCCAGGGCCGGTGGCCCAAGTACCCTGGGGCAGCACATCATCC  
 CTCAGCTGCCTTCTCAACGGTGATCCTTACCAGCTTCTGCAGGGAGACGGCCTGCCTTGATGCCTCCGG  
 TGCCCTCGAGCCACCCAGGAGCCTTTGGTTTATGGCAGGATTACTACACGTGGCGGGCCTCAGCCT  
 GGACTCCCCATGGCTGTGCTTCTCACCTACCCACTGACGGTGTACTATGTCATACCCACCTGGTACCC  
 CAGTCTTCCCTGAGCTCAACATCCAGAACAAGCAATCCCTGAAGATCCACGTGGTGGAGGCTGGCAAGG  
 AATTTCATCTCGTCATGGTGTGGGAGCTTGGTCTTCTCCCCATGTGGCCCTGGAGCTACAGTT  
 TGTGGGTGACAGCCTGCCACCTGAGAGTGACCAGCAGCATTACTATGCAGAGGGATGGACCTGAGGTG  
 TCTCTGCGTCTGTTCTGGAGTATCAGCACGGTTCAACTCTGGGACTAAGGAGAAGGGAGGTGCAAGGG  
 ACCTGCAAATCAGGGTGTCTGCCAGGCCATACCTGCTCCAGGGACCAAGCCTGACCTGGTTATTGG  
 ATTTAACTCCGGCTTTGGTCTCAAAGATACATGGCTGAGCTCTTACCCCGTTACAGTCTCTCCGAGTG  
 CCAGCATTCTTACTGAGAGCAGTGAGTACGGCTGTGTATGGACGATCAGACTATGGCGGTGGCCACCG  
 GAGGGGGCACCAGCTCGCCACAGCCCAACCCCTCCGCTCCCCATTCCGCCTTAGAGCAGCTGACAACTG  
 TATGCCCTGGTACTGCAACGCCTTATCTTCCATTTGGTCTACAAGCCTCCCCAAGGCGGCACAGTCCGC  
 TCGGCTCCCGCCCTGCACCTAGACCCCAACTCCCGCTGCACCTCCTGTCCCGGCTCGAAGGCGCCGAG  
 GAGAAAAGAAAGCTGCACGCGGGCCCGCCGGCGCAGATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001029929  
**Insert Size:** 2211 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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:** [NM\\_001029929.2](#), [NP\\_001025100.1](#)

**RefSeq Size:** 2801 bp

**RefSeq ORF:** 2211 bp

**Locus ID:** 574428

**UniProt ID:** [Q8C0R7](#)

**Cytogenetics:** 11 B3

**Gene Summary:** Acts as a transcriptional repressor through interaction with histone deacetylases (HDACs). May regulate haploid genes important for spermiogenesis.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). COMPLETENESS: complete on the 3' end.