

Product datasheet for **MC228436**

Zmynd11 (NM_001199141) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zmynd11 (NM_001199141) 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: >MC228436 representing NM_001199141
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCACGTTTAAACAAAAGACGACAGGCGGATACAAAAGCTATCCAGCATCTTTGGGCAGCCATTGAAA
 TTATCAGAAATCAGAAGCAGATTGCCAACATTGATCGTATTACAAAGTATATGTCCCAGTCCACGGTAT
 GCATCCCAAAGAGACCACCCGCCAGCTGAGCTTAGCTGTGAAAGATGGTCTTATTGTGAAAACCTAACA
 GTGGGCTGCAAAGGTTCAAAGCTGGTATTGAACAGGAAGGATATTGGTTACCAGGAGATGAGATTGACT
 GGGAAACAGAACTCATGACTGGTATTGTTTTGAATGCCATTTGCCTGGAGAGGTGTGATATGTGACCT
 GTGTTTTCTGTGTATCATTCCAAGTGTCTGTCTGATGAGTTCAGGCTTAGAGACAGCAGTAGTCACTGG
 CAGTGCCAGTTTGCAGGAGCATTAGAAGAAGCACTCTAACAGCAGGAAATGGGCACCTACTTGAGGT
 TCATCGTCTCCCAGTGAAGGAGCGGGCTATAGACCTTAATAAGAAAGGAAAGGACAGTAAGCATCTAT
 GTACCGGAGGCTGGTCCACTCAGCTGTTGACGTCCCTACCATACAAGAGAAGGTGAATGAGGGGAAGTAC
 CGGAGTTACGAGGAGTTCAAGGCTGACGCACAGCTGCTTCTCCACAACACAGTGATCTTCTATGGAGCAG
 ACAGTGAGCAGGCGGACATTGCACGGATGTTATATAAAGACACGTGTACGAGCTGGACGAGCTGCAGCT
 TTGCAAGAACTGCTTCTATCTGTCAAACGCACGGCCGACAACCTGGTTCTGCTACCCTTGATACCTAAT
 CATGAGCTGGTTTGGGCTAAAATGAAAGTTTTGGGTTTTGGCCAGCCAAAGTCATGCAGAAAGAAGACA
 ATCAAGTGGATGTTTCGTTCTTTGGCCATCACCACCAGAGAGCCTGGATTCTTCTGAAAACATCCAGGA
 TATCACGGTCAATGTTCCCGACTGCACGTGAAGCGCAGCATGGGCTGGAAGAAGGCTGTGACGAGCTG
 GAACTGCATCAGCGCTTCTCCGTGAAGGAAGGTTCTGGAAGTCTAAGAATGAGGACCGAGGTGAGGAAG
 AGGACGAGTAAATCAGAGTGTGGAGCCCAAAAAGGAAGAACCAGCCAGAAACGGAAGCAGTGAGTTCC
 AGCCAGGAAATCCCCACAATGCCTCAGCCAATTGAGAGGGTGTGAGTGTCAACCCAGACCAAGAAGTTAA
 GTGCCTTCCCCACGAATGCTGCATCGAAGCACTCAGACGACGAGCGACGGCGTCTGTGAGAGCATGTG
 CCACGACAAGTACACCAAAATTTTTAATGACTTTAAAGACAGGATGAAGTCGGACCACAAGCGGAAACA
 GAGAGAGTGGTCCGTGAAGCGCTGGAAGTTGCGTCTGAAATGGAAGAAGAAAAAGACAGGCCGTGA
 ACAAGCTGTGGCCAGCTGCAGGGCGACATGGACAGAAAGGTAAGCAGCTGAAGGAGAAGTGAAGGA
 AGAGTTTGTAGAGGAGATCAAGAAGCTAGCGGCGCAGCACAAGCAGCTCATTCCCAGACCAAGAAGAAG
 CAGTGGTGTACAACGTGAGGAGGAGGCCATGTACCCTGCTGTGGAACACGTCTACTGCTCCATCA
 AGTGCCAGCAGGAGCACTGGCACGACAGCACAAGCGCACCTGCCCGGAAGAGATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001199141
- Insert Size:** 1809 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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:	<ol style="list-style-type: none">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:	<u>NM_001199141.1, NP_001186070.1</u>
RefSeq Size:	4132 bp
RefSeq ORF:	1809 bp
Locus ID:	66505
UniProt ID:	<u>Q8R5C8</u>
Cytogenetics:	13 A1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and uses an alternate in-frame splice site in the 3' coding region, compared to variant 8. The encoded isoform (gamma) is shorter than isoform beta. Variants 3, 4 and 5 all encode isoform gamma.</p>