

Product datasheet for **MC218362**

Zmynd11 (BC022945) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zmynd11 (BC022945) 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: >BC022945
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCCAGTCCACGGTATGCATCCCAAAGAGACCACCCGCAGCTGAGCTTAGCTGTGAAAGATGGTC
TTATTGTCGAAACTCTAACAGTGGGCTGCAAAGGTTCAAAGCTGGTATTGAACAGGAAGGATATTGGTT
ACCAGGAGATGAGATTGACTGGGAAACAGAAACTCATGACTGGTATTGTTTTGAATGCCATTTGCCTGGA
GAGGTGTGATATGTGACCTGTGTTTTCGTGTGTATCATTCCAAGTGTGTTGTCTGATGAGTTCAGGCTTA
GAGACAGCAGTAGTCACTGGCAGTGGCCAGTTTGCAGGAGCATTAAAGAAGAAGCACTCTAACAGCAGGA
AATGGGCACCTACTTGAGGTTTCATCGTCTCCCGCATGAAGGAGCGGGCTATAGACCTTAATAAGAAAGGA
AAGGACAGTAAGCATCCTATGTACCGGAGGCTGGTCCACTCAGCTGTTGACGTCCCTACCATAACAAGAGA
AGGTGAATGAGGGGAAGTACCGGAGTTACGAGGAGTTCAGGCTGACGCACAGCTGCTTCCACAACAC
AGTGATCTTCTATGGAGCAGACAGTGAAGCAAGCGGACATTGCACGGATGTTATATAAAGACAGTGTCCAC
GAGCTGGACGAGCTGCAGCTTTGCAAGAACTGCTTCTATCTGTCAAACGCACGGCCCGACAACCTGGTTCT
GCTACCCTTGATACCTAATCATGAGCTGGTTGGGCTAAAATGAAAGGTTTTGGGTTTTGGCCAGCCAA
AGTCATGCAGAAAGAAGACAATCAAGTGGATGTTGCTTCTTTGGCCATCACCACAGAGAGCCTGGATT
CCTTCTGAAAACATCCAGGATATCACGGTCAATGTTCCACCGACTGCACGTGAAGCGCAGCATGGGCTGGA
AGAAGGCTGTGACGAGCTGGAAGTGCATCAGCGCTTCTCCGTGAAGGAAGGTTCTGGAAGTCTAAGAA
TGAGGACCGAGGTGAGGAAGAGGCAGAAATCCAGTATCTCCTCCACAGTAACGAGCAGCTGAAGGTCCT
CAAGAGCCAAGAGCAAAGAAAGGACGACGTAATCAGAGTGTGGAGCCAAAAAGGAAGAACCCGAGCCAG
AAACGGAAGCAGTAAGTCCAGCCAGAAATCCCAACAATGCCTCAGCCAATTGAGAGGGTGTCAAGTGC
AACCCAGACCAAGAAGTTAAGTGCCTTCCCCACGAATGCTGCATCGAAGCACTCAGACGACGAGCGAC
GGCGTCTGTGACGAGCATGTGCCACGACAAGTACACCAAAATTTTTAATGACTTTAAAGACAGGATGAAGT
CGGACCACAAGCGTGAACAGAGAGAGTGGTCCGTGAAGCGCTGGAAAAGTTGCGTTCTGAAATGGAAGA
AGAAAAAGACAAGCCGTAACAAAGCTGTGGCCAACTGCAGGGCGAGATGGACAGAAAGTGAAGCAG
GTGAAGGAAAAGTGAAGGAAGAATTTGTAGAGGAGATCAAGAAGCTAGCGGCGCAGCACAAGCAGCTCA
TTTCTCAGACCAAGAAGAAGCAGTGGTGTACAACCTGTGAGGAGGAGCCATGTACCCTGCTGTGGAA
CACGTCCTACTGCTCCATCAAGTGCCAGCAAGAGCACTGGCACGCAGAGCACAAGCGCACCTGCCCGCG
AAGAGATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC022945

Insert Size: 1689 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: [BC022945](#), [AAH22945](#)

RefSeq Size: 3011 bp

RefSeq ORF: 1688 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]