

Product datasheet for **MR230239**

Zmynd8 (NM_001252587) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zmynd8 (NM_001252587) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zmynd8
Synonyms:	1110013E22Rik; 2010005116Rik; 3632413B07Rik; AI316811; AL024039; Prkcbp1; RACK7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR230239 representing NM_001252587
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCATCCACAGAGCTTGGCTGAAGAGGAAATAAAAACCGAGCAGGAGGTGGTGGAGGGAATGGATATCT
 CTA CTACTCGCTCCAAGAACCTAAGGAAGATCCTGTCTCTACAGAGAAAACGGCCCCGAAACGGAGGTCC
 CAGCCCTCCACATTCCTCCAATGGCCATTCGCCCAAGACTCATCCACGAGCCCCATTAAGAAAGAAAAAG
 AAACCCGGCTTACTCAACAGTAGCAATAAGGAACAGGACGGACGGAATGACTTCTATTGCTGGGTTTGTC
 ACCGGGAAGGACAAGTCTTTGCTGTGAGCTCTGTCCCGGGTTATCACGCTAAGTGTCTGAGACTGAC
 ATCGGAGCCAGAGGGGACTGGTTTTGCTCTGAATGTGAGAAGATTACAGTAGCAGAATGCATCGAGACG
 CAGAGCAAAGCCATGACCATGCTGACCATTGAACAACCTGTCTACCTGCTCAAGTTTGCATTAGAAAA
 TGAAGCAGCCAGGACGGATGCATTCCAGAAGCCTGTTCCATTGGAGCAACCCCTGACTATGCAGAATA
 TATTTTCCACCCATGGACCTTTGTACATTGGAAGAAGATGCAAAAAAGAAGATGTACGGCTGCACAGAA
 GCCTTCTGGCCGATGCCAAGTGGATCCTGCACAACCTGCATTATTATAATGGGGGAAATACAAGTTGA
 CGCAAATAGCAAAAGTCGTCATCAAATCTGTGAGCAGGAGATGAATGAAATCGAAGTCTGTCCAGAATG
 TTATCTTGCGACTTGCCAAAACGAGACAACCTGGTTCTGTGAGCCCTGTAGCAATCCGCACCCTTTGGTC
 TGGGCAAAACTGAAAGGATTTCCATTCTGGCCAGCGAAAGCTCTGAGGGCAAAAGACGGGCAGGTTGACG
 CCCGTTTCTTTGGACAACATGACAGAGCCTGGGTTCCAGTCAATAATTGCTACCTCATGTCTAAAGAAAT
 CCCCTTTCTGTGAAAAAGACTAAAAGTATCTTCAACAGCGCCATGCAAGAGATGGAAGTTTACGTGGAG
 AACATAACGAGGAAGTTTGGGGTTTTTAATTACTCCCCGTTCCAGGACGCCCTACACGCCCAACAACCACT
 ACCAAATGCTGCTGGATCCAGCAACCCAGCGGGCACAGCCAAGACAGACAACAGGAGAAGGTGAA
 GCTTAATTTTGCATGACAGCGTCCCCCAAGATCCTTCTGAGCAAGCCCTTCTGAGCGGGGGTCCCGGC
 CGCAGGATCTCCCTGTCCGACATGCCTCGCTCCCCACCAGTACGAACTCTTCCGTGCACACGGGCTCCG
 ATGTGGAGCAGGACCCCGAGAAGAAGGCCCGTCCAGCCACTTACGCGAAGCGAGGAGTCCATGGACTT
 CCTTGATAAGAGCACAGGTGAGCCCAAGTTGGGAGAGTTGGGTAGGAGGCCACTTGGTGCATTCTGGCGT
 CCCTGGATGCCTCCCTCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

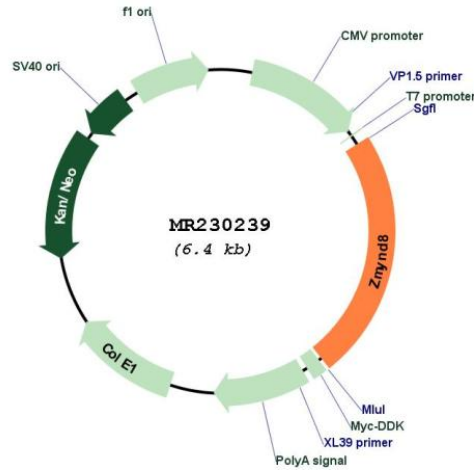
>MR230239 representing NM_001252587
 Red=Cloning site Green=Tags(s)

MHPQSLAEEEEIKTEQEVVEGMDISTRSKEPKEDPVSTKTEKAPKRRFPSPHSSNGHSPQDSSTSPIKKKK
 KPGLLNSSNKEQDGRNDFYCWVCHREGQVLCCELCPRVYHAKCLRLTSEPEGDFWFCPECEKITVAECIET
 QSKAMTMLTIEQLSYLLKFAIQKMKQPGTDAFQKPVPLEQHPDYAEYIFHPMDLCTLEKNAKKKMYGCTE
 AFLADAKWILHNCIIYNGGNHKL TQIAKVVIKICEHEMNEIEVCPECYLAACQKRDNWFCEPCSNPHPLV
 WAKLKGFPFPAKALRDKDQVDARFFGQHDRAWVPVNNCYLMSKEIPFSVKKTKSIFNSAMQEMEYVVE
 NIARRKFGVFNYSFRTPTYPNNQYQMLLDPSNPSAGTAKTDKQEKVKLNFDMTASPKILLSKPLLGGGAG
 RRIISLSDMPRSPTSTNSSVHTGSDVEQDPEKKAPSSHFSASEESMDFLDKSTGQPQLGELGRRPLGAFWR
 PWMPPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Plasmid Map:


ACCN: NM_001252587

ORF Size: 1488 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: [NM_001252587.2](#), [NP_001239516.1](#)

RefSeq Size: 2718 bp

RefSeq ORF: 1491 bp

Locus ID: 228880

Cytogenetics: 2 H3

MW: 56.8 kDa