

## Product datasheet for MR223805

### Zc3h13 (NM\_026083) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zc3h13 (NM_026083) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zc3h13
Synonyms:	2600010B19Rik; 3110050K21Rik; 4930570G11Rik; C87618
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223805 representing NM_026083, <b>codon optimized</b> . Due to the complexity of NM_026083, the ORF clone is codon optimized for mammalian Expression. The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGAGCAAGATTAGGCGAAAAGTCACTGTGGAGAATACAAAAACCATCTCTGAAAGCACCAGCAGGAGGC  
CAAGTGTGTTTGAACGCCTCGGCCCATCCACAGGCTCTACTACCGAGACTCAGTGTAGGAACTGGCTTAA  
AACTGGGTCTGTTGTACGGGAACACCTGCCGGTTTCATCCATGGTCTAGCCACGGGGTAAAGGCTAC  
AGTTCTAACTATAGAAGATCTCCTGAGAGGCCACCGGCGACCTCCGCGAAAGAAATGAAGAACAAGCGAC  
AGGACGTGGACAGTGAGTCACAGAAGCGGAATACCGAAGAACCAAGCAGCCCCGTGAGAAAGGAATCAAG  
CAGGGGCCGGCACCGGGATAAGGAAGATATCAAAATCGTGAAAGAGCGCACCCCCGAGTCTGAAGAAGAG  
AATGTGGAATGGGAGACGAATCGCGACGATAGCGATAACGGTGATCACTACGACTACGTTACGGAAC  
TTAGTCTTGAAATGAAGCGACAGAAGATTCAGAGGGAGCTGATGAAATTGGAACAGGAAAATATGGATAA  
GAGGGAAGAAATAATTATTCAGAAGGAGGTGAGCCCCGAAGTGGTGCGCAGCAAACCTGAGCCCCCTCTCT  
TCACTGAGAAAGAGCTCCAAATCCCCAAAGCGCAAATCTTACCCAAAGCCTCCTCTGCTGGGAAGAAAG  
AACGAAAAGCGGCCGTGCTGGCCTCCCCCTCCTGGATCAGCAGAGGAATAGTAAAGGGAACCAAGTCTAA  
GAAAAGGGCCCTCGGACACCTAGCCCCCACCCTCCATCCTGGAAGACATCATCCTTGGTAAAAAGTAT  
AAGGAGAAGTACAAAGTCAAAGACCGAATCGAAGAAAAACCCCGCATGGAAAGGATCGCGGAAGAGACT  
TTGAGAAGCAGAGAGAGAAAACGGGATAAACCTCGCTCAAGTTCTCCTGGGCAGCACACAGCCACTTTT  
AAGTAGACATCACAGCTCATCTCCAGAGCGGCAGCTCTATCCAGCGGCACAGTCCAGTCCCCGGAGG  
AAAAGGACACCATCCCCGTCCTATCAGAGAACCCTGACTCCTAGCCTGAGCGGTCCGCTAGTCCATACC



[View online »](#)

CTACTCACTGTCTCTCCAGCCCTCAGCGAAAGCAGAGCCCTCCTCGACACCCGAGCCCTATGAGAGAAAA  
 GGGGCGACATGACCATGAGCGCACATCCAGAGCCATGACAGGAGACACGAAAGGAGAGAGGAGACACGC  
 GGCAAGCGAGATCGGGAGAAGGACACCCGCGAGGAGCGGAGTCCGAGCACGACCACCGGGACGATAGGG  
 AGCCCAGGGACAGTCCGACAGGAGGGATACTAGAGACAGACGAGAGCTGCGAGACTCCCGGGACATGAG  
 AGATTCTCGAGAGATGCGGGACTACTCTAGAGACGCCAAAAGAGAGCCGAGATCCAAGAGACAGTCGATCT  
 GCTCGAGATGTCCATGATTACCGGGACCGAGAGGCCCGGATGCTCACGCTAGGGACGTGAGAGACGCGC  
 GCGATGCTAGAGATGCCCGGGACGCAAGAGATATCAGAGATGTACGGGATGTCCGGGACGTCCGGGACGT  
 GAGAGACGTTAGAGATGTTTCGCGACGTGAGGGACGTACGAGACGTCAGAGACGCAAGAGACGTGCGCGAC  
 GTGCGGGACGCTCGAGACGTGCGCGACGTGCGCGATGTAAAGAGACGGACACAGGAAGGAGGACGTCTATC  
 AGGAAGAAGCCAGATCCTACGGGCGAAATCACCTGAGAGAAGAGTCAAGCCGGGTTGAGCTGAGGAACGA  
 CTCTCGCAATGAGAGTCCGAGCGGAGATTCGCAACGATAGGATGGGAGGTCACGAGGTCGGGGCCCTGAA  
 CTCCCTGAGAAGGGTCCCGAGGTACACGAGGAAGCCAGATGGACTCTCATTCTGGTCTAACTACC  
 ACGATTCTGGGAGACAAGATCCTCATACCCGAAACGGGACAGGTATCCTGAACGCGACACGAGGGACCC  
 AGCACGCGACAGTAGTTTCGAACGAAGGCACGGGAGCGCGACAGGAGGGATAACAGAGACGGGACCAG  
 AGGCCGTCTCACCCATTTCGCCACAGGAAGATCTGAGGAGCTCGAGAGGGACGAGCGGAGAGAAGAGC  
 GGAGGATCGACAGAGTGGATGAACGACGAGACGACCGGGTGAAGGATCGCGACCGGGATCCGGAGAGAGA  
 GCGGGAGCGAGAAAGGGAAGGGAACGCGAAAAGAGAAAAGGAGCGGGAGCGCGAGCTGGAGAGAGAGAGA  
 GCCCGCGAGAGAGAGCGGGAACGGGAAAAGGAACGGGAGCGCGAAAAGGAGCGGAAACGCGATCAGAGAG  
 ATCGAGATCATGATAGGGAGCGGGAGCGGGAGCGGAGAGGGAACGGGAAAAGGAGCGGGAACGGGAAAAG  
 GGAGGAGCGAGAGAGAGAAAAGGGAACGGGAGAGAGAGAGGGAACGCGAGAGAGAGCGAGAGAGAGAGAGG  
 GAACGGGAGCGAGAGCGGAAAAGGGAACGCGCTCGAGAACGCGAAAAGGGAACGAGAAAGACAGAGAGAGT  
 GGGAGGACAAAAGATAAAGGGAGAGACGACCGCGGGGAAAAACGCAAGACATCCAGTCCGGGAGGACCG  
 GATTCACAGACTCTCACGAAGAGCGGAAGAGTAAAAAGCGGTATAGAAAACGAGGGCAGTCCGTCACCC  
 CGGCAGTCTCAAAAAGGAGAGCGGGAGCATTCCCGGATTCCGATACCTATCACTCAGGCTGATATAAGA  
 ACGAAAAGCACCCGCTGTTGTCCCAAGTCGTACGGCCACAGGAAAAGCCGAGCCTCTCCCCCTCTACCT  
 CACTGAAGACCGACAAGGACGGTGAAGGAAGAGGACCGAAAATCCGAACGGAAGGAATCCTCTCGAAGG  
 TATGAGGAGCAAGAACTGAAGGAGAAAATTGTATGTGGAGACAGACAGAGAGAGCAAGCCGAATCAGTCG  
 ACAGCAGCCGCTGCGCGCACAGGACCTGTTGTCCCATAGGCAGGCTGAGGACAGAGATAGAGATGGCTC  
 CGACCCGCTCACGATGAGAAGAAAAAGCCAAGGCCCAAGAGCCCGTGAAGAAAAAAAAGAAAGAG  
 GACGTGGGCGTGGAGCGAGGAAACCTGGAACACATGAAGATTCCAGGTCTTCAGCCCTAAGAAAGGTC  
 AGAAGAAGAACAATAGAGAAGAAACGAAAGCGCTCAAGGGCGACAGTATGTCAGCGACGAGGAGGC  
 CGCCCTCAAAAACAAGAAGAAGCGCGGACCCCGCACCCCTCTGGCAATAAAGGAGGAGTTGGCCGAC  
 ATCAGCACCGACAAGGACGGCGTACTGGAGGACCCATTGAAAAAGAAAACACCGCTTTTAGCGACTGGT  
 CTGATGAAGATGTGCCTGATAGGACAGAGGGCCTGGAGGCCGAGCACACAGCAGCAACAGCCACCCCTGG  
 TTCCACTCCGAGTCTTTGTCTAGCTTGCTCCCTCCTCCACCACCCGTGGCCGCTGCTTCCACCGCTGCC  
 ACTGCCCTTGCTCCAGTGCCGTGAGCGCCACAACGTCCGCTACATCCAGCTCAAGCGCAGCAACAAGTA  
 ACACCAACGGGTCAGAGGACAGCCATCGCAAGTGTACAGGGCCCGGGGGAGAAGGTCGAGGTATCCCA  
 CGTGACACTGGAGGATACTCCGCACAGGAAGCTGGTGGATCAGAAAACGATCTTCCAGCTGGGCTCAAAC  
 GCTCCACAGATCCCACACCTCCGGAAGACTGAGGTCCCCATCCAATGACAGTGGCAGCAGATCAGGGG  
 ATGATCAGGGTAGCCGCAAGAGGGTACTGCACTCAGGATCTCGGACCGAGAGAAAACAAAAGCCTGGA  
 GATAACAGGCGAAAAGAAAGAGTAGGATTGATCAGCTGAAAAGAGGGGAGCCTAGCCGGAGCACGAGTAGT  
 GACCGGCAGGATAGCCGAAGTATAGCTCTAGACGCTCCTCCCCTGAGTCAGACCGCCAGGTCCATAGCC  
 GGTGAGGATCCTTTGACAGCCGAGATCGGTTGACAGGAAAGGGACCGGTACGAACATGATAGAGAACGCGA  
 GCGCGACCGGAGGGACCCGAGACAGCGGGAGTGGGACCGCGAGGCCGAGAAAAGATGGCCCCGCACACGG  
 GATAGGGACCGGCTGCGAGAGAGGGACCGGACCGGGACAGCAAGGGACCTGGACCGAGAACGGGAGC  
 GGCTCATTTAGACCCTATGGAACGCGACAGAGAACGGGAGAGGACCTTTGAGACTTCTCAGCTTGAGAG  
 TGGCAAAAAGATCCGAAGTCAAATCTGAGAGCGAGCACGAGAGGGACCTGGAAGGAAGTTCAAGAGATTCA  
 GTAGCCTTGATAAAGAAAGAATGGATCGAGACTTGGGCTCAGTTCAGGGTTTTGAAGATGTGTCCAAGG  
 CAGAGCGCACCGAATCATTGGAGGGGACGACGAATCCAAGCTGGACGACGCTCACTCTCTGGGCGAGTGG  
 AGCAGGAGAAGGCTACGAACCCATCTCAGATGACGAGCTGGACGAAATACTGGCCGGCGATGCTGAGAAG  
 CGAGAGGACCGAGGAAAGAAAGAGAAGATGCCCGACCTTTGGATGTGATAGATGTGGATTGGTCTGGAC  
 TCATGCCTAAGCACCTAAGGAGCCTAGGGAGCCCGGTGCAGCCCTGCTGAAGTTACACCCGGAGCCGT





**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\\_026083.2](#), [NP\\_080359.2](#)

**RefSeq Size:** 6151 bp

**RefSeq ORF:** 5190 bp

**Locus ID:** 67302

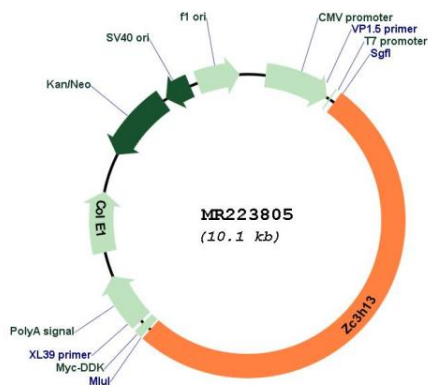
**UniProt ID:** [E9Q784](#)

**Cytogenetics:** 14 D3

**MW:** 203.8 kDa

**Gene Summary:** Associated component of the WMM complex, a complex that mediates N6-methyladenosine (m6A) methylation of RNAs, a modification that plays a role in the efficiency of mRNA splicing and RNA processing (PubMed:29535189, PubMed:29547716). Acts as a key regulator of m6A methylation by promoting m6A methylation of mRNAs at the 3' UTR (PubMed:29547716). Controls embryonic stem cells (ESCs) pluripotency via its role in m6A methylation (PubMed:29547716). In the WMM complex, anchors component of the MACOM subcomplex in the nucleus (PubMed:29547716). Also required for bridging WTAP to the RNA-binding component RBM15 (RBM15 or RBM15B) (PubMed:29535189).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR223805