

## Product datasheet for **MC205304**

### Zmat4 (NM\_177086) Mouse Untagged Clone

#### Product data:

|                                  |                         |
|----------------------------------|-------------------------|
| <b>Product Type:</b>             | Expression Plasmids     |
| <b>Tag:</b>                      | Tag Free                |
| <b>Symbol:</b>                   | Zmat4                   |
| <b>Synonyms:</b>                 | 9630048M01Rik           |
| <b>Mammalian Cell Selection:</b> | Neomycin                |
| <b>Vector:</b>                   | PCMV6-Kan/Neo (PCMV6KN) |
| <b>E. coli Selection:</b>        | Kanamycin (25 ug/mL)    |

**Fully Sequenced ORF:** >BC065110  
AGCTGCTGAAAGGTCTGGTCGCAGAGACAGGAACGCAGCATCCTCAGCGTGCTCCATCCCGGCAGTGTCT  
TCTGCGCTCCGCCGGCGGCCGAGCCTCCGGACGACAGCCCCCTCTGCTTCTCGGAGAAGCCTGATGAAGT  
CCTCCGATATCGATCAGGATTTATTTACAGATAGCTACTGCAAGGTGTGCAGCGCACAGCTGATATCCGA  
GTCCCAGCGGGTGGCCATTATGAGAGTCGAAAACATGCCAGCAAAGTCCGGCTGTATTACATGCTTCAC  
CCCAGGGATGGTGGTGTCTGCCAAGAGGCTCCGAGCAGAAAATGGAAGCGATGCTGACATGGTGGATA  
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CAAAATCCACGCCAAAAGGTTAAACTGTTGCTAGGAGAGAAAACCTCCACTGAAAACACAGCCGCTCCG  
CTGAGCTCACTTAAGGCTCCTCGAGTGGATACGGCCCCCGTGGTGCATCTCCCTATCAAAGAAGAGACT  
CAGACAGGTACTGCGGTCTCTGCGCAGCCTGGTTTAAACATCCTCTGATGGCCAGCAGCATTACGAAGG  
CAAGAAACACAAAAAGAACGCAGCCCGCTTGCCTTGCTAGAGCAGCTCGGAACATCTCTGGATCTGGGA  
GAACTGAGAGGTCTGAGACGTACTTACAGATGTACCAGTGCAGTGTGTCGCTCAACTCCATAGAACAGT  
ATCATGCACATCTGCAAGGATCAAAACATCAGACCAACCTGAAGAATAAGTAGTGACAGCATCTATCAAG  
AGCTAAGAAGAGACTCCCGCATTTCTCTGTGGTAGAGAACTGCTCACCACCAAGGAGGATCCTTTCTC  
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ACAGCGGTTGACCTTGATGGAGTGCTTTTGTAAAGGTATCCAAGGAGAATTTTAAACCCAGAGTGAGA  
TGGAAGTAATTTCTAGCAAGTTGGCCTGGATTGTGGGCTTTAATTTGGGCGAGTAATGATTTGGTGTGTG  
TCAAGGGAGGGAAGAGAATGATTAATCCTGAAGAAGTTTCTTCTTCTGTTTCTTCCAACCTGTTGC  
CGAGCTGGGGATTGAGTGACTTTGAACAGAACTTTCTGGGAAGAGGATGGACCAGAGAATGATGCTCT  
TTAAAGGGATCAAGTTTGTGAGTGAACCTGTGAAATTCCTCTCCAGGGAATCACTGCTCTGCATTGTGTTG



GGAAGTGGTGTCTTGCAGACACTGCAAGGTAGACACAGAACTTCCTTTCTGGGCTCTCAGCTGGCTGGA  
GCAGCCCTTGACAACTTGTGACCACCAAGTACCAAGTAACGTGAGCTTTTCCAGACATCAGCGCCTTC  
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ATAAGGGGAGTGTATCCAGCAGCGCTGTGAGGATCACTTGGCCAGACTACTATCTGCAAGAAGGCTCAA  
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CTTTAGTGTGGCTGTATGTTCAATGAAGTCTTATGTTAGTTTCCAGTTTTATTATGACTGGACAGGAGTT  
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TGGCCATAATGAGAAAACTCAACACCTATCGGCCTCCTGTAAATCGAGATATCTCTGTTTAATGGAAC  
AGTCACTAGCGGTTGACCTAGGTATCTCCCTGTTTCTCTCCCTTCTCCTATCATTCCAGGATATAGTCTC  
CAGGATGTAACATGCATTGCCCATGTGGTCTACCACTGAATGCCATGCTTAGGTGTGATTCTCAGAAC  
CTAGATCACCCCTTAGTCTGGCCATACCATTTGAATTTGCTTTACAAATCTTCTCCCGTTTCAGTACG  
GATATGAGCTTGAGGCTAGCAACCTGTGTCAGTGGCCACAAATGCCATGATAGTAAGATCCAAATTAATG  
AGCTCTCCTTATAGACAGTCTCCATAGTCCAGGGAACATAAAATACACTCATAAAGCAATCCGCTAAGC  
AGCAAGTGCTGTGGCCATTCTTCTGCTGATAAAGTAGCCATAAACTTTCATCTATTGCTGCTGGACTG  
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CTTTGCACTGTCTGTTGGAGTAAATTTAATTAGGCCAAGTATCAAAAAAGAAAAACAAAAACAAAA  
ACAATGGGACCCACTTATAATGCTGTCAATTCCTGCGGAACTCCCATCTAGAGAGGCCACCTTCTGTCA  
AAGCTGAGTGAGGCATTTTGGACAAGGCAGTGGGAATACAGGACATTAAACCCCAATAAGAGACCACGAG  
GTTGTAAGACAGTCCCACTAAATATCTGCTCTTCTTGAACAGCTGTCCAGTGAATTTTCTTCTT  
TTGTAAGAATAAACTAAGAAAAGTCTGTCTGTGCAACATATTATTGAGGGATGGATTTTCTCCCTG  
CCCCCTTCTGGTTTTGAATTTGTTCAATTCAAGGCATGTTAACTACCTCATAGGTTTGTGTGTGGAT  
TAGCTGATTAATAAATAACAACTGATTAATAATACGAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:**

Ascl-NotI

**ACCN:**

NM\_177086

**Insert Size:**

690 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [BC065110](#), [AAH65110](#)

**RefSeq Size:** 4183 bp

**RefSeq ORF:** 690 bp

**Locus ID:** 320158

**UniProt ID:** [Q8BZ94](#)

**Cytogenetics:** 8 A2