

## Product datasheet for **MG221029**

### Zmat3 (NM\_009517) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Zmat3 (NM\_009517) Mouse Tagged ORF Clone  
 Tag: TurboGFP  
 Symbol: Zmat3  
 Synonyms: Wig1  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-AC-GFP (PS100010)  
 E. coli Selection: Ampicillin (100 ug/mL)  
 ORF Nucleotide Sequence: >MG221029 representing NM\_009517  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATTCTTTTGCAGCAGGTCTGGCTTCCTTTACCTAATCGGCCTTCAACCTCTCCTCTATGTCAGTGG  
 CTGCCAGGTCCACAAGGACCTTGCAGCTCCCGCCACAGAAGGCTTTTGGCAGGAAGCATCCTTGCCTCT  
 GGCAGGGGAAGAGGATTTAGCTAAGAGAGGGGAGCCAGACTCTGCCCTGGAGGAGCTGTGAAGCCCTC  
 TTCTGCAAACTCTGCAATGTCACCTTGAACCTCCGCTCAGCAAGCCAGGCACACTATCAGGGTAAAAACC  
 ATGGCAAGAACTACGAAATTATTACGCAGCTAACAGCTGTCCTCCTCCAGCCAGGGTGAGCAGCGTGGT  
 GGCAGAGCCTGTAGCCACACCCCTCGTTTCTGTCCCTCCGAGGTGGGCTCCTGCAAGCCAGGGGGCAGG  
 GTGATCCTGGCTACAGAGAATGACTACTGTAAGCTGTGCGATGCCTCCTCAGCTCCCCTGCCGTGGCAC  
 AGGCGCACTACCAGGGGAAGAACCATGCCAAGAGACTCCGTCTGGCCGAAGCTCAGAGTCACTCATTCTC  
 GGACTCCGAGAGGCAGGGCAACGGCGGACTCGGAAAGAAGGGAGTGAATTTAAGATGGTGGCCACCAGG  
 AGGAATATGTATCCAGTCCAGAGCAATTCAGGCCCTTACTTCAATGCCCGCTCCCGGCAGAGGATCCCGC  
 GAGATCTCGCCATGTGCGTGACTCCAAGTGCCAGTTTTACTGCTCCATGTGTAACGTTGGGGCTGGCGA  
 AGAGGTGGAGTTCGGCAGCATCTAGAGAGCAAGCAGCACAAAAGCAAGGTGTCCGAGCAGCGGTACAGG  
 AGCGAGATGGAGAACCTGGGCTACGTTTACG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG221029 representing NM\_009517  
 Red=Cloning site Green=Tags(s)

MILLQQVWLPLPNRPSTSPPMVAARSTRTLQLPPQKAFGQEASLPLAGEEDLAKRGEPDSALEELCKPL  
 FCKLCNVTLNSAQQAQAHYQGNHGKLRNYAANSCPPPARVSSVVAEPVATPLVPVPPQVGSCKPGR  
 VILATENDYCKLCDASFSSPAVAQAHYQGNHAKRLRLAEQSHSFSDSAEAGQRRTRKEGSEFKMVATR  
 RNMPYVQNSGPFNARSRQRIPRDLAMCVTPSQGFYCSMCNVGAGEEVEFRQHLESKQHKSKVSEQRYR  
 SEMENLGYVQ

TRTRPLE - GFP Tag - V

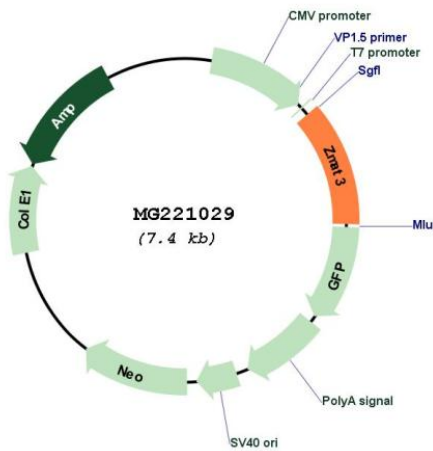
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_009517

**ORF Size:** 870 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_009517.2</a> , <a href="#">NP_033543.2</a>
<b>RefSeq Size:</b>	7784 bp
<b>RefSeq ORF:</b>	873 bp
<b>Locus ID:</b>	22401
<b>Cytogenetics:</b>	3 A3