

Product datasheet for **MG202753**

Zmat4 (NM_177086) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Zmat4 (NM_177086) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Zmat4
Synonyms: 9630048M01Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG202753 representing NM_177086
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGTCCTCCGATATCGATCAGGATTTATTTACAGATAGCTACTGCAAGGTGTGCAGCGCACAGCTGA
TATCCGAGTCCCAGCGGGTGGCCATTATGAGAGTCGAAAACATGCCAGCAAAGTCCGGCTGTATTACAT
GCTTACCCCAGGGATGGTGGGTGTCCTGCCAAGAGGCTCCGAGCAGAAAATGGAAGCGATGCTGACATG
GTGGATAAGAATAAATGCTGTACTCTGTAACATGTCTTTACCTCAGCTGTGGTGGCCGACTCACATT
ACCAAGGCAAAAATCCACGCCAAAAGGTTAAAACGTTGCTAGGAGAGAAAACCTCCACTGAAAACACAGC
CGCTCCGCTGAGCTCACTTAAGGCTCCTCGAGTGGATACGGCCCCGTGGTGCATCTCCCTATCAAAGA
AGAGACTCAGACAGGTAAGTCTGCGTCTCTGCGCAGCCTGGTTTAAACATCCTCTGATGGCCCAGCAGCATT
ACGAAGGCAAGAAACACAAAAGAACGCAGCCCGCTTGCCTTGCTAGAGCAGCTCGGAACATCTCTGGA
TCTGGGAGAACTGAGAGGTCTGAGACGTAACATGTACCACGTGCAGTGTGTGCTCAACTCCATA
GAACAGTATCATGCACATCTGCAAGGATCAAACATCAGACCAACCTGAAGAATAAG

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202753 representing NM_177086
 Red=Cloning site Green=Tags(s)

MKSSDIDQDLFTDSYCKVCSAQLISESQRVAHYESRKHASKVRLYYMLHPRDGGCPAKRLRAENGSDADM
 VDKNKCC TLCNMSFTSAVVADSHYQGKIHAKRLKLLLGEKPLKTTAAPLSSLKAPRVDTAPVVASPYQR
 RDSDRYCGLCAAWFNNPLMAQQHYEGKKHKKNAARVALLEQLGTSLDLGELRGLRRTYRCTTCSVLSNSI
 EQYHAHLQGSKHQTNLKNK

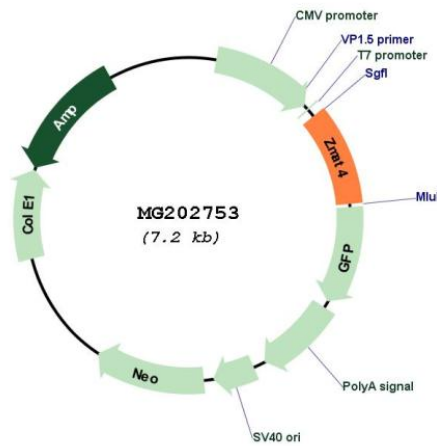
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_177086

ORF Size: 687 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:	<ol style="list-style-type: none">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_177086.4
RefSeq Size:	4145 bp
RefSeq ORF:	690 bp
Locus ID:	320158
UniProt ID:	Q8BZ94
Cytogenetics:	8 A2