

Product datasheet for **MG215692**

Agmat (NM_001081408) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Agmat (NM_001081408) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Agmat
Synonyms:	5033405N08Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG215692 representing NM_001081408 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCGGCTGCTGAGGTCCAGCTGGGCCCGGGCTTGGGGTCTGGGGTGGCCACTTGGCGTCCCTCAG
CGGGGCTCTTTCGTCCTGGGTGCCCTGGGATCCGCCAGGCTTCAGGTGCCTCAGATACCCACACCACCA
GTCCCCAGCTCTGAGTACCCGGTACAGCCGGTGGGGTGGGCGTCTGTTCCATGATGCGCTTGCCCTG
CAGTCTCCCCGAGGGGCTGGACGCTGCTTTCATCGGTGTGCCTCTGGATACTGGGACTCCAACCGGC
CCGGGGCAAGATTTGGACCCTGTCGCATCCGGGAGGAGTCACTGATGCTGGGGGTGTCACCCACGAC
GGGAGCTCTCCCTTCCAGTCCCTCAGGTTGCAGACCTAGGCAATGTGAACGTCATCTTACAACCTC
CAGGACAGCTGCCGGCTGATTCGAGAGGCTATCAGAATGTCCTCGCTGCGGGCTGCATTCTCTGACCT
TGGGTGGAGACCAACAATCACATATCCATACTGCAAGCCGTGGCAAAGGAGCATGGCCCGGTGGGTTT
AGTGATGTGGGTGCCACACCAACACCACGGACAAACCTCGGGAGGAGAAGGTCTACCATCGGACACCT
TTCCGCCGAAGTGTGGATGAGGGACTGCTGGACAGCAAGCGAGTGGTACAGATAGGCATCCGGGGCTCT
CCAGGACTCTGGATCCCTACAGATACAGTAGGAGCCAGGCTTCCGTGTGGTCTGGCTGAAGACTGTTG
GATGAAGTCACTGGTCCCCCTGATGGCAGAGGTCAGGCAGCAGATGGGGGCAAGCCTCTTTATATCAGC
TTTGCCATAGATGCCTTGGATCCTGCCTATGCCAGGAACAGGGACACCGGAAATCGCGGGGCTCACCC
CTAGTCAGGCTCTGGAGATCATCCGGGGCTGCCAAGCCTGAATGTGGTGGGCTGTGATCTTGTGGAAGT
CTCCCCGCGTATGATCTCTCTGGTAACACAGCCCTCCTAGCAGTAACCTGCTGTTTGAGATGCTGTG
GCTCTCCCAAGTGACAAGTCTGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG215692 representing NM_001081408
 Red=Cloning site Green=Tags(s)

MLRLLRSSWARGLGSGVATWRPSAGLFRPGCPGIRQASGASDTPHHQSPSSESPVQPVGVGVCMMRLPL
 QSSPEGLDAAF IGVPLDTGTSNRPGARFGPCRIREESLMLGAVNPSTGALPFQSLRVADLGNVNVNLYNL
 QDSCRLIREAYQNVLAAGCIPLTLGGDQITITYPILQAVAKEHGPVGLVHVGHAHTNTDKPREEKVVHRT
 FRRSVDEGLLDSCRVVQIGIRGSSRTLDPYRYSRSQGFVVLAEDCWMKSLVPLMAEVRQQMGKPLYIS
 FAIDALDPAYAPGTGTPEIAGLTPSQALEIIRGCQGLNVVGCDELVEVSPPYDLSGNTALLAANLLFEMLC
 ALPKVTTY

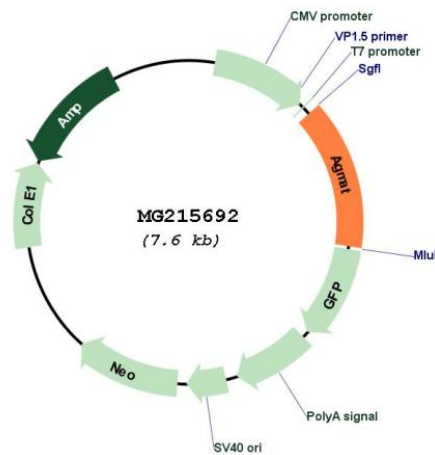
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001081408

ORF Size:	1074 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_001081408.1 , NP_001074877.1
RefSeq Size:	1404 bp
RefSeq ORF:	1077 bp
Locus ID:	75986
UniProt ID:	A2AS89
Cytogenetics:	4 E1