

Product datasheet for **RG202990**

AGMAT (NM_024758) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AGMAT (NM_024758) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AGMAT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202990 representing NM_024758 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGAGGCTGCTGGCGTCCGGTGC GCCCGGGGCCGGGGCCCGGGCGTGGGCGCGCTCCTGCCGAG
GGCTCTTTTCATCCGGGGCGCCCGCAGAGCCGCCAGGCTCCGATGCGCCCCGGAACCAGCCCCCAGCCC
CGAGTTCGTGGCCCGCCGGTGGCGCTGCTCCATGATGCGCCTGCCGGTGCAGACCTCCCCGAGGGG
CTGGACGCTGCCCTCATCGGGGTGCCCTGGATACTGGACCTCAACCCGGCTGGGGCGAGATTCGGAC
CTCGCCGCATCCGGGAAGAATCAGTGATGCTTCGGACAGTCAATCTAGCACGGGGGCCCTCCCCTTCCA
GTCCCTCATGGTTGCAGACCTAGGCGATGTGAATGTCAATCTTTACAACCTTCAGGACAGCTGCCGGCGA
ATTCAAGAGGCCTATGAGAAAATTGTAGCAGCTGGCTGTATTCCTCTGACCTGGGTGGAGATCACACAA
TCACATATCCCATATTGCAAGCGATGGCAAAAAGCATGGCCAGTGGGGCTGCTGCACGTGGATGCGCA
CACGGACACGACCACAAGGCCCTAGGAGAGAAGCTCTACCACGGGGCGCCCTCCGCCGGTGTGTGGAT
GAGGGTCTCCTGGACTGTAAGCGTGTGGTGCAGATTGGCATCCGGGGCTCTCCACGACCTTGGATCCCT
ACAGATAACAACCGAGCCAGGGCTTCCGGTAGTCTGGCTGAAGACTGCTGGATGAAGTCGCTGGTTCC
TCTGATGGGGGAAGTCAGGCAGCAGATGGGAGGCAAACCCATTTATATCAGCTTTGATATTGACGCTCTG
GATCCTGCCTATGCGCCAGGGACAGGGACCTGAAATTGCTGGTCTCACTCCTAGTCAGGCTCTGGAGA
TCATCAGGGGTTGTCAAGGCCTGAACGTGATGGGCTGTGATCTTGTCAAGTTTCACCACCGTATGATCT
TTCTGGGAACACAGCCCTGCTGGCGGCTAACCTGCTGTTTGAGATGCTATGTGCTCTCCCAAAGTGACA
ACCGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202990 representing NM_024758
Red=Cloning site Green=Tags(s)

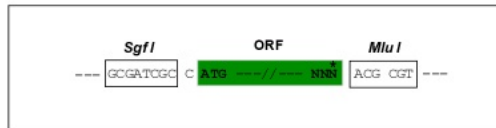
MLRLLASGCARGPGVGVGARPAAGLFHPGRRQSRQASDAPRNQPPSPEFVARPVGVCSMMRLPVQTSPEG
 LDAAFIVPLDTGTSNRPGARFGPRRIEESVMLRVTNPNSTGALPFQSLMVADLGDVNVNLYNLQDSCRR
 IQEAYEKIVAAGCIPLTLGGDHTITYPILQAMAKKHGVPVLLHVAHTDTTDDKALGEKLYHGAPFRRCVD
 EGLLDCKRVVQIGIRGSSTTLDPYRYNRSQGFVLAEDCWMKSLVPLMGEVRRQMGGKPIYISFDIDAL
 DPAYAPGTGTPEIAGLTPSQALEIIRGCQGLNVMGCDLVEVSPPYDLSGNTALLAANLLFEMLCALPKVTV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_024758

ORF Size: 1056 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:

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_024758.3](#), [NP_079034.3](#)

RefSeq Size: 2196 bp

RefSeq ORF: 1059 bp

Locus ID: 79814

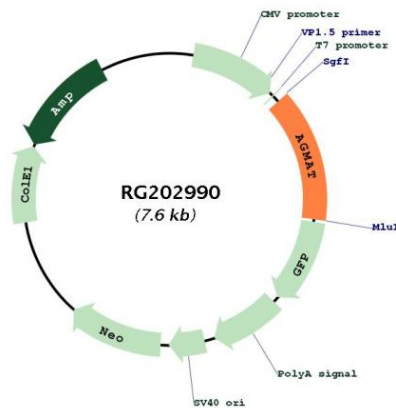
UniProt ID: [Q9BSE5](#)

Cytogenetics: 1p36.21

Domains: arginase

Protein Pathways: Arginine and proline metabolism, Metabolic pathways

Product images:



Circular map for RG202990