

Product datasheet for **RR204409**

Agmat (NM_001048185) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Agmat (NM_001048185) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Agmat
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204409 representing NM_001048185
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**

ATGCTGCAGCTGCTGAAGTCCAGCTGGGTCCGGAGTCCGGGGTCTGGGGTGGTCACTGGCGTGCCTCTG
CGGGGCTCTTCTGTCTGGGACCCGCCAGGCTTCAGATACCTACATACCCGTCCTCCCTAG
CTCTGAGTCACAGGTACAGCCGGTACGGCTCTGTTCCATGATGCACTTGCCTGCAGTCTCCCGAG
GGGCTGGATGCTGCTTTCGTGCGGTGTGCTCTGGATACCGGAACCTCCAACCGGCCCGGGCAAGATTTG
GACCCCGTCGCATCCGGGAGGAGTCACTGATGCTGGGACTGTCAATCCAGCACGGGAGCCCTCCCTT
CCAGTCCCTCAGGGTTGCAGACCTAGGCAATGTGAACGTCAATCTCTACAACCTCAGGACAGCTGCCGG
CTAATCCGAGAGGCCTATCAGAACATCCTAGCAACTGGCTGCATTCTCTGACCTTGGGTGGAGACCATA
CCATCACATATCCATACTGCAAGCCGTGGCAAAGAGCATGGCCCTGTGGGTTTAGTGCATGTGGGTGC
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GATGAGGGACTGCTGGACAGCAAGCGAGTGGTACAGATAGGTATCCGGGGCTCCTCCAGGACCCTGGATC
CCTACAGATACAGTCGGAGCCAGGGCTCCGTGTGGTCTGGCTGAAGACTGTTGGATGAAGTCACTGGT
CCCCCTGATGGCAGAGATCAGGCAGCAGATGGGGGTGTGCTCTTTACATCAGCTTTGCCATAGATGCC
TTGGATCCTGCCTATGCCCCAGGGACAGGGACACCAGAAATTGCTGGGCTCACCCCTAGTCAGGCTCTGG
AGATCATCCGGGGCTGTCAAGGCCTGAATGTGGTGGGCTGTGACCTTGTGGAAGTTTCCCGCCGTATGA
TCTCTTGGAACACAGCCCTCCTCGCGGCTAACCTACTGTTTGAGATGCTGTGTCTCTCCCAAGGTG
ACAACCTGTC

AG**CGGACCC**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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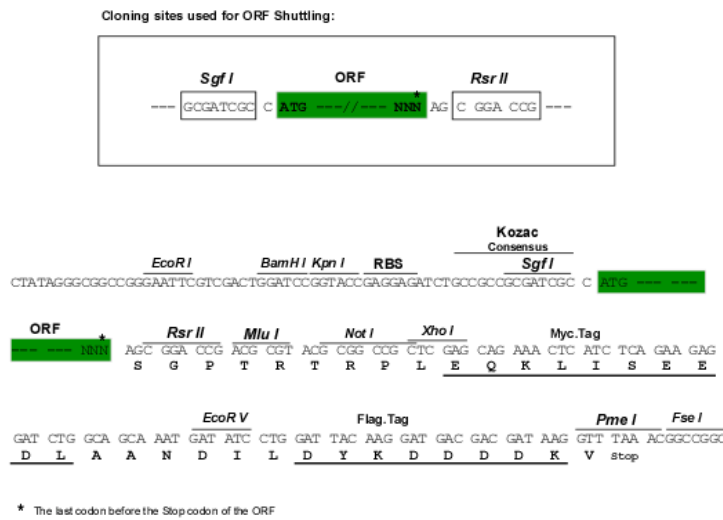
Protein Sequence: >RR204409 representing NM_001048185
 Red=Cloning site Green=Tags(s)

MLQLLKSSWVRSAGSGVVTWRASAGLFCPGTRQASDTSIDLHHPSPSSESQVQPVRVCSMMHLPLQSSPE
 GLDAAFVGVPLDTGTSNRPGARFGPRRIRESLMLGTVNPSTGALPFQSLRVADLGNVNVNLYNLQDSCR
 LIREAYQNILATGCIPLTLGGDHTITYPILQAVAKEHGPVGLVHVGAHSNTSDKPLEDKVYHRTPFRRSV
 DEGLLDSKRVVQIGIRGSSRTLDPYRYSRSQGFRVLAEDCWMKSLVPLMAEIRQMGGVPLYISFAIDA
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 TTV

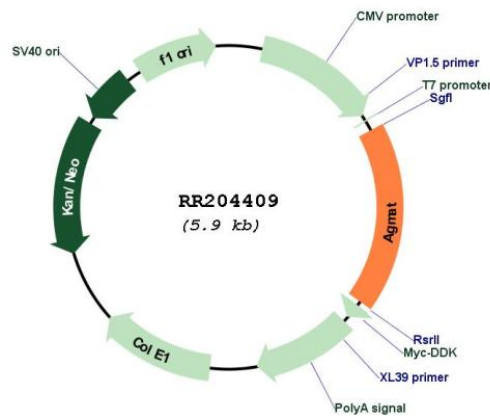
SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_001048185

ORF Size:	1059 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_001048185.1 , NP_001041650.1
RefSeq Size:	1312 bp
RefSeq ORF:	1062 bp
Locus ID:	298607
UniProt ID:	Q0D2L3
Cytogenetics:	5q36
MW:	38 kDa