OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC200184

Gatm (NM_025961) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gatm (NM_025961) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gatm
Synonyms:	1810003P21Rik; AI314789; AT
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>BC003879 sequence for NM_025961
CCCACGCGTCCGCCCACGCGTCCGGCGACTAGGACCTTGTGCACGCGGAGCAGCAGAGACGGGGCGATGC
TACGGGTGCGGTGTCTGCGCGGAGGCAGCCGAGGTGCCGAGGCGGTGCACTACATCGGCTCTCGGCTTGG
AGGATCCTTAACAGGATGGGTGCAGCGAACTTTCCAGAGCACCCAGGCAGCTACAGCTTCCTCCCGAAAT
TCCTGTGCAGCTGAAGACAAGGCCACCCATCCTCTGCCCAAGGACTGCCCTGTCTCCTCTTACAACGAAT
GGGACCCTTTAGAGGAAGTGATAGTGGGCAGAGCTGAAAATGCCTGTGTGCCACCATTCACAGTGGAGGT
GAAGGCCAATACATATGAAAAGTACTGGCCATTTTACCAAAAAAATGGAGGTCTTTATTTTCCCAAAGAT
CATCTGAAGAAGGCTGTTGCTGAGGTCGAAGAGATGTGCAATATTTTATCAATGGAAGGAGTGACCGTGA
GGCGGCCTGACCCCATCGACTGGTCACTCAAGTATAAGACTCCTGATTTTGAGTCTACAGGTTTGTACAG
CGCAATGCCTCGAGACATCCTGATGGTTGTGGGAAACGAGATTATAGAAGCACCCATGGCATGGCGCTCA
CGCTTCTTTGAGTACCGAGCATACAGGTCAATTATCAAAGACTACTTCCATCGTGGTGCCAAGTGGACAA
CAGCACCCAAGCCCACAATGGCTGACGAACTGTATGACCAGAATTATCCCATCCATTCCGTGGAAGACAG
ACACAAATTGGCCGCTCAGGGAAAGTTCGTGACGACTGAGTTTGAGCCTTGCTTTGATGCTGCTGACTTC
ATTCGAGCTGGAAGAGATATTTTTGCACAGAGAAGCCAGGTTACAAACTACCTGGGCATCGAGTGGATGC
GTAGGCATCTTGCTCCAGACTACAGAGTACATATCATCTCTTTTAAAGACCCCAATCCAATGCACATCGA
TGCCACCTTCAACATCATTGGACCTGGTCTTGTGCTCTCCAACCCCGACCGTCCTTGTCATCAGATTGAT
CTTTTCAAGAAAGCAGGATGGACCATAGTTACTCCTCCAACACCAGTCATCCCCGATGATCATCCCCTCT
GGATGTCATCCAAATGGCTTTCCATGAACGTCTTAATGCTAGATGAGAAGCGCGTGATGGTAGATGCCAA
TGAAGTTCCAATTCAAAAGATGTTTGAGAAGCTGGGTATCAGTACCATTAAGGTTAACATTCGAAATGCC
AATTCCCTGGGAGGTGGCTTCCACTGCTGGACCTGCGACGTCCGGCGCCGAGGCACCCTTCAGTCCTACT
TTGACTGAGCAGGCGTGGTGTGGCTTGGGGCATAGCCTCAGATATACCTAAGAAGCAGCAAGGCCCTTCT
CTCGCTTTAACAAATGCATGAACTGTAGTGCTTTGAACAATCACATCCTTAACAGGGTTTCCAAGCCTGG
GTTACTTTTTGTTGACGTAAGGAAGATAACTTTTGATAGGTCTTACTTTCTTCTCCTAAAGTTATTTACG
ATTTGGCTTTAAATATAAAAGTTCAGTAAGTGTATACCGAAGCAAAAATTAGTCACTTGAGTAACTTGGC
CGCTAATATTTAACCATCTACCTCTGTTTTTAATTTTCTTTCCTAAAGGCAGCTTGAGATGTCGGTCCTA
ACCTTGTCTTTTTTTTTTTCCTCTTTGGTAGACTTATGAATGTCCATATTACTTCTTTTTTCCTAAATGG
GACAAAGACTTAGGCAAAAAACATGGATCCTAAGTAGAATCAGATATTTATCTCTTTTTCTAAAAAAATA
AAATAAATAAATTTGGGTGTTTTTTTTTTTAATTTGCTTTTATCAGATATTTATCTCTTTTTCTAAAAAA
ATAAAATAAATAAATTTGGGTGTTTTTTTTTTTTTTTAATTTGCTTTTAAACAACCTCGACTATGCAAAC
ACTGAAAAAAAAAAAAATGAAGTGACTTTCCATGAATGCCTTTAACATTCTTGTGTCAACATTTGGTACTA
AACTCTTACTCTTACCTCATCTCAAGTGGGTTATCCTTCCTTCTGTCCTTCCTTCCGTCCTTCCCTCCTT
CCTTCAGAGTAGCGCTTAGTGTAATAGAGTGAAACTTGTAGTTCCCATTCCTAAAGGTTGATGTTCAATA
TCTAACAGGTATAATGGCATCTTCGGTAATCTAAGATTTGTTTACATATATGCAAAATTATTTAAGGTAT
AGAGTTTTAAAGCATTTTTTTGGAAAAACTAATGCAGGTAAAACATGTGACATGAGATAATTTTAATGTT
GGATATTATATATGTATTTTTATTCTAATAAACTTTTGTGTTCCAGATTGGAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_025961

Insert Size: 1272 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	BC003879, AAH03879
RefSeq Size:	2419 bp
RefSeq ORF:	1272 bp
Locus ID:	67092
UniProt ID:	Q9D964
Cytogenetics:	2 60.63 cM
Gene Summary:	Catalyzes the biosynthesis of guanidinoacetate, the immediate precursor of creatine. Creatine plays a vital role in energy metabolism in muscle tissues. May play a role in embryonic and central nervous system development.[UniProtKB/Swiss-Prot Function]