

Product datasheet for **RN207015**

Gatm (NM_031031) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gatm (NM_031031) Rat Untagged Clone
Tag: Tag Free
Symbol: Gatm
Synonyms: MGC93388
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN207015 representing NM_031031
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTACGGGTGCGGTGTCTGCGCGCGGCAGCCGAGGCGCCGAGGCGGTGCACTACATCGGCTCTCGGC
TTGGAGGATCCTTAACAGGATGGGTGCAGCGAACTTTCCAGAGCACCCAGGCAGCTACAGCTTCTCCCA
AAATTCCTGTGCAGCTGAAGACAAGGCCACCCACCCCTGCCAAGGACTGCCCTGTCTCTCTTACAAC
GAATGGGACCCCTTAGAGGAAGTGATAGTGGGCAGAGCTGAAAATGCCTGTGTCCACCATTACAGTGG
AGGTGAAGGCCAATACATATGAAAAGTACTGGCCGTTTTACCAGAAAAATGGAGGTCTTTATTTTCCCAA
AGATCATCTGAAGAAGGCTGTTGCCGAGGTGCAAGAGATGTGCAATATTTTATCAATGGAAGGCGTGACC
GTGAAGCGGCCTGACCCATTGACTGGTCACTGAAGTAAAGACTCCTGATTTTGTAGTCTACAGGTTTAT
ACAGCGGATGCCTCGAGACATCCTGATGGTTGTGGGAATGAGATTATAGAGGCTCCCATGGCATGGCG
CTCACGCTTCTTTGAGTACCGCGCATACAGGTCAATTATCAAAGACTACTCCACCGTGGTGCCAAGTGG
ACAACGGCCCCAAGCCACAATGGCTGACGAAGTGTATGACCAGGACTATCCCATCCATTCTGTGGAAG
ACAGACACAAATTGGCCGCTCAGGGGAAGTTCGTGACAACCGAGTTCGAGCCTTGCTTTGATGCTGCTGA
CTTCATTCGAGCTGGAAGAGATATTTTTGCGCAGAGAAGCCAGGTTACAACACTACCTGGCATCGAGTGG
ATGCGTAGGCATCTTGCCCCAGACTACAGAGTGCATATCATCTCGTTTTAAAGACCCCAATCCAATGCATA
TTGATGCCACCTTCAACATCATTGGACCTGGTCTTGTGCTCTCCAACCCTGACCGTCCATGCCATCAGAT
TGATCTTTTCAAGAAAGCAGGATGGACCATAGTTACCCCTCCAACACCTGTGATCCCCGATGATCATCCC
CTCTGGATGTCATCCAAGTGGCTCTCCATGAATGTCTTAATGCTAGATGAGAAGCGCGTGATGGTAGCG
CCAATGAGGTCCCAATTCAGAAGATGTTTGAGAAGCTGGGTATCAGCACCATTAAGGTTAACATTCGAAA
TGCCAATTCCTGGGAGGAGCTTCCACTGCTGGACCTGCGACGTCGCCGCCGAGGCACCCTTCAGTCC
TACTTTGACT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Restriction Sites:	Sgfl-Mlul
ACCN:	NM_031031
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:	<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_031031.2 , NP_112293.1
RefSeq Size:	2297 bp
RefSeq ORF:	1272 bp
Locus ID:	81660
UniProt ID:	P50442
Cytogenetics:	3q35
Gene Summary:	transamidinase enzyme that catalyzes creatine synthesis [RGD, Feb 2006]