

Product datasheet for SC211720

GATM (NM_001482) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: GATM (NM_001482) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: GATM
Synonyms: AGAT; AT; CCDS3; FRTS1
ACCN: NM_001482
Insert Size: 1015 bp
Insert Sequence: >SC211720 3'UTR clone of NM_001482
The sequence shown below is from the reference sequence of NM_001482. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CGAGGCACCTTACAGTCTACTTGGACTGACACAGGCCTGATGGAGCTTGTGGCTGGCCTCAGATACACC
TAAGAAGCTTAGGGGCAAGGTTCACTCTCCTGCTTTAAAAAGTGCATGAAGTGTAGTGTCTTAAACAAT
CATCTCCTTAACAGGGGTCGTAAGCCTGGTTTGCTTCTATTACTTTTCTTTGACATAAAGAAAATAACT
TCTGCTAGGTATTACTCTACTCCTAAAGTTATTTACTATTTGGCTTCAAGTATAAAATTTTGGTGAA
TGTGTACCAAGAAAAAATTAGTCACCTGAGTAAGTGGCCACTAATAATTAACCATCTACCTCTGTTTT
TAATTTCTTTCCAAAAGGCAGCTTGAATGTTGGTCCTAATCTTAATTTTTTTCTCTCTATAGAC
TTGAGAATGTTTTCTCTAAATGAGAGAAAGACTTAGAATGTACACAGATCCAAAATAGAATCAGATTA
TCTTTTTTTTCTAAAGGAGAGAAAGACTTAGAACATACACAGATCCTAAGTAGAACCAGGTAATTGTC
TCTTTTTCTAATAAGGAATTTGGTAATTTTTAATTTTTTGTTTTTTAAAAAATAACCTAGACTATGCA
AAACATCAAAGTGAATTTCCATGAATGTTTTAATTTCTCATCTCAACATTGTGATATATGCTACTA
AAAACCTTTTCATATACATCTTACCTCATTTCAGTGAATTTTTAATCTTTTTCTCTTTCCAAAA
ATTTAGGAATGTTTAGTGAATTTGGATTTTCGCTATCAGTTCATCCTTAAGTTTTGATATTCAATATC
TGATAGATACACTGCATCTTTGGTCATCTAAGATTTGTTTACAAATGTGCAAATTTTAGAGCATAGA
CTTTATAAGCATTAAAAAACTAATGGAGGTAACCTAAATGCGATGTGAAATAATTTTAGTGTGTA
TACCGTATGTGTATTTTATTCTAATAAACTTTTGTGTTCCAGATTGAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_001482.3
Summary:	This gene encodes a mitochondrial enzyme that belongs to the amidinotransferase family. This enzyme is involved in creatine biosynthesis, whereby it catalyzes the transfer of a guanido group from L-arginine to glycine, resulting in guanidinoacetic acid, the immediate precursor of creatine. Mutations in this gene cause arginine:glycine amidinotransferase deficiency, an inborn error of creatine synthesis characterized by cognitive disability, language impairment, and behavioral disorders. [provided by RefSeq, Jul 2008]
Locus ID:	2628
MW:	39.6