

Product datasheet for **SC217281**

MAT1A (NM_000429) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MAT1A (NM_000429) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	MAT1A
Synonyms:	MAT; MATA1; SAMS; SAMS1
ACCN:	NM_000429
Insert Size:	1991 bp



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Insert Sequence:

>SC217281 3'UTR clone of NM_000429

The sequence shown below is from the reference sequence of NM_000429. 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
TGGGAGGTTCCCAGGAAGCTTGTATTTAGAGCCAGGGGAGCTGGGCTGGTCTCACCTGGAGGCAC
CTGGTGGCCATGCTCCTCTTCCCCAGACGCTGGCTGCTGATCGCCTTCCCACCCACCAACCCTCAGG
GCAAAGCCAGGTCCCTCTCATTTAGCCTGTCTGTATCATCATGAGCCAGCTGGAGGCAGGGGCTTCTCT
GGTGTGGAGGTTGGATCTTGATGTAAGGATGGGCATGGTGTCTCTGCTGCTCCCTCAGACTGGGGC
AATGTTAATTTAGTGGAAAAGGCACCCCGTCAAGAGTGAATTCCTCACTCGTCTCCCCAACAGCTG
GACCTGACCAGCTCCCCCTCCCTCCCTTGCCTGTGCCAGGTGAGGTGAGCAGCATCTCAACAGGCCTC
AGGGCTCCTTGTGGGCTGGGCTCCTGGACCCCTTTTACAGGCAGCCAGTGCCTGAGCCAGGGTCT
CCAGAAAGCCCCACCCAGGCCAGGCATGTGGCAGGGGTTAGAGCAGGACTGATGTCTCTAAGCACCTG
TAATGTGCGAGGGACCCAGCTAATAACTGATCTCGTTTTTTCTTACTGCAACATGATGAGGTAGTACC
TTTTATATCCCATTTATAGATGGGGGAAAAGCAAAGCACAGAGAGTCTGGATAACTTCCACAGGGTCCCA
CAGCCACGTGTTTAGACCTAGATGTATAACTAGGAGCTTTGACTCAGGAGCCTGTGACATACCCCTCC
CCCACCGTTGTCTCATGCCAGTAACAGGCTCAAACAATGACAAAGCAGATTGAGAAATGAGGCCATGGA
CTCTGTCTGAAGGCTGAGGTTACTGGAAATAGGGGATTAACCCACTAGCTCTTGTGAGCCGTGGG
CAATTGTCTGAAAAGTGAAGACAGAACCACAGGGCTATTTGTTTGTCTCATGTGCCAGAAAGTAC
TGAGGGTGAGTTGGCTTACCTGGCCATCAGGGTAGGCTGGAGTTAGGGACTGACCAGCAGCTTTAGAA
TCCCAGCCCCCTGACCACTCAGAGACATGCAGAGATTGGGTTTTTGGACTTCTGGGGTAAGTGGTCAA
GTCCAGTCCAGTCTATCTGGGCTTCTGGAGCAGAAGCAGCAACTTGTCTTAGCACAGATGGCCAGCC
CCTTAGACAGAGGCCCTCAAGTCTTTCTTTCCCTGGTCCCTTGTATCCCTGCAGGCTGAGTGCATT
TGGAGGGAGTGAGTGGCCCTTTCGGATCCAGGGAGGCTGGTCTATGGCCTCATGTTAAATAGGCGGGG
CTTGCCTTCTGGTGTGGACAAGCTTCTGAGACGTGATGAGGAGATTCTGCCTTGGCAGGTGACTGTC
TGGGGAGCGGGTCTGCTCCCAAGGGCCTGAGCAGTCTTGGCCTGCTAAGGCTTGGAACTTGCCTGC
CTTTCCATCCATGGCCAGCAGCCTGCCCTACCTGCCCCACTTGTCTTAGCCTGGACCTTGACAGC
AGCATCTACCTTCTCCCAGCTCCCAGGACCACAGGCTCAGGCAGGGGCTCCATGGGCCCCAGGGG
AACACTGGGACTTGGCCTCTCTTAGGTTACATGGTGTGGGAGAGGCAGCCAGGAAGTCTCATCTG
GGGAGCAGGCAGCCAGCATCTGGCCTTGGCCTGGAGCACAAGACCCTGGCTTTCATTTCTCTCAGG
TGAAAGGAAATTAAGGCAACAAAAGAAGCCCGGCTCCTGGTACCTAGGAAGCCTCAGATTCCCTCCCA
TGGAGGGAGGGAGTGGTTTGAGGTTGGCAAGTTCCTCTAACTTGGCTCACACTCGACATGAAAATTCA
GAATTTTATACTTTCCCTACCCTCTAGAGAAAATAGATCTTTTTTGTGAGTTTGTGTAAGAACTAA
AGCCTTTATTTGTTAATAGTTCCTGCTAAAACAATGAATAAAAACTCAAGGAGCAACTA
ACGCGT AAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
    
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Restriction Sites:

SgfI-MluI

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_000429.3

Summary: This gene catalyzes a two-step reaction that involves the transfer of the adenosyl moiety of ATP to methionine to form S-adenosylmethionine and triphosphosphate, which is subsequently cleaved to PPi and Pi. S-adenosylmethionine is the source of methyl groups for most biological methylations. The encoded protein is found as a homotetramer (MAT I) or a homodimer (MAT III) whereas a third form, MAT II (gamma), is encoded by the MAT2A gene. Mutations in this gene are associated with methionine adenosyltransferase deficiency. [provided by RefSeq, Jul 2008]

Locus ID: 4143

MW: 73.3