

Product datasheet for **RN216818**

Slc19a1 (NM_001035232) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc19a1 (NM_001035232) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc19a1
Synonyms:	MTX1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216818 representing NM_001035232
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGCCCACTGGCCAGGTGGCAGAAAAGCAAGCCTGCGAAGAGCCAGGCAGGACCGAGAACCTTAAGT
 CCTGGCGATGGCTCGTGTCTACCTCTGCTTCTTTGGCTTCATGGCACAGTTGCGACCTGGGGAGAGCTT
 CATCACACCCTACCTCCTGGAACGTAACCTCACCAAGGAGCAGGTGACCAACGAGATCATTCCGATGCTG
 CCCTACTCCCACCTGGCCGTGCTGGTCCCCATCTTCTGCTCACCAGCTACCTACGATACAAGCCAGTCC
 TGGTCTACAGTGCCTGAGCTTCGTGTGCGTGTGGCTGCTGCTCCTGGGGACCTCCGTCGTGCACAT
 GCAGCTCATGGAAGTCTTCTACAGCATCACCATGGCGGCGCATCGCCTACTCCTCATATTTCTCC
 CTGGTGCAGCCCTCCCGTACCAGCGCATGGCCAGCTACTCGGGGCCGAGTCTACTGGGCGTCTTCA
 TCAGCTCCGTGCTGGGCCAGGTGCTGGTACCCTAGGAGGCATCTCCACCTATATGCTCAACTGTATCTC
 CCTGGGCTTCATCTCTTACGCCTGAGCCTCTCCCTTCTCTAAAGCGTCTTAAGCGGAGCCTCTTTTTT
 AACCGGAGCGCACTTGTGCAAGGAGCCTTGCCCTGTGAGCTGGATCAGATGCACCCGGGACCTGGCCGTC
 CAGAGCCCAGGAACTGGAGCGCATGCTGGCACTTGCAGGGACTCCTTCTGGTACGCATGCTAAGCGA
 ACTGGTGAAGAACGTCCGGCAACCACAGCTGCGTCTCTGGTGCCTCTGGTGGGTCTTCAACTCGGCAGGC
 TACTACCTGATCACCTACTATGTCCATGCTCTGTGAAAACTCACTGACAGCAGACTCAACTACAACGGTG
 CCGTAGATGCCGCTCCACACTTCTGAGCGCCATCACGGCCTTACCAGCGGGCTTCGTGAACATCCGCTG
 GGCTCTGTGGTCAAAGCTGGTTCATCGCGAGTGTATAGCCATCCAGGCTGGCCTGGTTTTCTGTATGTT
 CAGATCCCGGACATCTGGGTCTGCTATGTGACCTTCGTGCTTTCCGTGGGGCTACCAGTTCCTGTGTC
 CCATTGCCACTTTTCAGATTGCATCTTCCCTGTCTAAAGAGCTCTGTGCATTGGTCTTCGGGATCAACAC
 TTTCTTCCCACTGCGCTTAAGACCTCGATCACACTCGTGGTCTCTGACAAGCGGGTCTGGGCCTCCAA
 GTCCATCAACAGTTCGCGATCTACTTCATGTACTTCTGACGCTGTCCATCATCTGCCTTGCCTGGGCTG
 GGCTGGACGGCTTGGGTACTACCGCGTGGTCCGCCACCAGCCGCTGGCCAGGCCAGGCTCTGAGTCC
 CTTGGAGGATTCTGTGCAGGCGATAAGCCTACAGGATGGAGACCTAAGGAGACCGCAGCCCTCGGCACCA
 CAGCTGCTCCAGAGGATGGCAGCGTAGAAGACGGCAGGGCAGACTTGAGAGTGAAGCCAAAGGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001035232
- Insert Size:** 1539 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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: [NM_001035232.1](#), [NP_001030309.1](#)

RefSeq Size: 2303 bp

RefSeq ORF: 1539 bp

Locus ID: 29723

UniProt ID: [Q62866](#)

Cytogenetics: 20p12

Gene Summary: mouse homolog facilitates transport of methotrexate and folic acid [RGD, Feb 2006]
Transcript Variant: This variant (2) uses a different segment for its 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.