

Product datasheet for **RN200365**

Slc19a1 (NM_017299) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc19a1 (NM_017299) 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: >RN200365 representing NM_017299
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGTGCCCACTGGCCAGGTGGCAGAAAAGCAAGCCTGCGAAGAGCCAGGCAGGACCGAGAACCTTAAGT
 CCTGGCGATGGCTCGTGTCTACCTCTGCTTCTTTGGCTTCATGGCACAGTTGCGACCTGGGGAGAGCTT
 CATCACACCCTACCTCCTGGAACGTAACCTCACCAAGGAGCAGGTGACCAACGAGATCATTCCGATGCTG
 CCCTACTCCCACCTGGCCGTGCTGGTCCCCATCTTCTGCTCACCAGACTACCTACGATACAAGCCAGTCC
 TGGTCTACAGTGCCTGAGCTTCGTGTGCGTGTGGCTGCTGCTCCTGGGGACCTCCGTCGTGCACAT
 GCAGCTCATGGAAGTCTTCTACAGCATCACCATGGCGGCGCATCGCCTACTCCTCATATTTCTCC
 CTGGTGCAGCCCTCCCGTACCAGCGCATGGCCAGCTACTCGGGGCCGAGTCTACTGGGCGTCTTCA
 TCAGCTCCGTGCTGGCCAGGTGCTGGTACCCTAGGAGGCATCTCCACCTATATGCTCAACTGTATCTC
 CCTGGGCTTCATCTCTCAGCCTGAGCCTCTCCCTTCTCTAAAGCGTCTTAAGCGGAGCCTCTTTTTT
 AACCGGAGCGCACTTGTGCAAGGAGCCTTGCCCTGTGAGCTGGATCAGATGCACCCGGGACCTGGCCGTC
 CAGAGCCCAGGAACTGGAGCGCATGCTGGCACTTGCAGGGACTCCTTCTGGTACGCATGCTAAGCGA
 ACTGGTGAAGAACGTCCGGCAACCACAGCTGCGTCTCTGGTGCCTCTGGTGGGTCTTCAACTCGGCAGGC
 TACTACCTGATCACCTACTATGTCCATGTCTGTGAAAACTACTGACAGCAGACTCAACTACAACGGTG
 CCGTAGATGCCGCTCCACACTTCTGAGCGCCATCACGGCCTTACCAGCGGGTTCGTGAACATCCGCTG
 GGCTCTGTGGTCAAAGCTGGTCAATCGGAGTGTATAGCCATCCAGGCTGGCCTGGTTTTCTGTATGTT
 CAGATCCCGGACATCTGGGTCTGCTATGTGACCTTCGTGCTTTCCGTGGGGCTACCAGTTCCTTGTGC
 CCATTGCCACTTTTCAGATTGCATCTCCCTGTCTAAAGAGCTCTGTGCATTGGTCTTCGGGATCAAC
 TTTCTTGCCACTGCGCTTAAGACCTCGATCACACTCGTGGTCTCTGACAAGCGGGTCTGGGCCTCCAA
 GTCCATCAACAGTTCGATCTACTTCTGACTTCTGACGCTGTCCATCATCTGCCTGCCTGGGCTG
 GGCTGGACGGCTTGGAGTACTACCGCGTGGTCCGCCACCAGCCGCTGGCCAGGCCAGGCTCTGAGTCC
 CTTGGAGGATTCTGTGCAGGCGATAAGCCTACAGGATGGAGACCTAAGGAGACCGCAGCCCTCGGCACCA
 CAGCTGCTCCAGAGGATGGCAGCGTAGAAGACGGCAGGGCAGACTTGAGAGTGAAGCCAAAGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_017299

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).

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_017299.2](#), [NP_058995.2](#)

RefSeq Size: 2436 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 (1) represents the longer transcript. Variants 1 and 2 encode the same protein.