

## Product datasheet for **MC228111**

### Slc19a1 (NM\_001199271) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc19a1 (NM_001199271) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc19a1
Synonyms:	AI323572; RFC; RFC-1; RFC1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228111 representing NM\_001199271  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGTGCCCACTGGCCAGGTGGCAGAAAAGCAGGCATACGAAGAGCCAGGCAGGACCACGAACTGAAAT  
 CCTGGCGATGCCTGGTGTCTATCTCTGCTTCTTCGGCTTCATGGCCAGTTGCGTCCTGGGAAAAGCTT  
 CATCACACCCTTCTCCTGGAACGTAAATTCACCAAGGAGCAGGTGACTAACGAGATCATTCCGATGCTG  
 CCCTACTCCCACCTGGCTGTGCTGGTCCCGGTCTTCTGCTCACCAGCTACCTGCGATACAAGCCAGTCT  
 TGGTCTCGCAGTGCCTGAGCTTCGTGTGCGTGTGGCTGTTGCTGCTGCTGGGCACATCTGCTGTCACAT  
 GCAACTCATGGAAGTCTTCTACAGCGTCACCATGGCGGCCCGCATCGCCTACTCCTCATATTTCTCC  
 CTGGTGCACCCCTCCCGTACCAGCGCATGGCCAGCTACTCACGGGCGGCAGTACTGCTGGGAGTCTTCA  
 TCAGCTCTGTGTTGGGCCAGGCGCTGGTACCCTAGGACATATAAGCACCTATACTCACTCACTGTGTCTC  
 CCTGGGCTTCATCTCTTACGCCTGGTCTCTCCCTCTTCTAAAGCGCCCTAAGCGGAGCCTCTTTTTTC  
 AACCGCAGTACGCTTGCAGCGTGGAGCCTTGCCCTGTGAGCTGGATCAGATGCACCCGGGGCTGACCGGC  
 CAGAAAACCAGGAAACTAGATCGCATGCTGGCACTTGCAGGGACTCCTTCTGGTGCGCATGCTAAGTGA  
 ACTGGTGGAAAATGCTCGGCAACCACAGCTGCGTCTCTGGTGCCTCTGGTGGTCTTCAACTCTTCAGGC  
 TACTACCTGATCACCTACTATGTGCATGCTCTGTGGAGAAGCACTGACAGCAGCCTCAGTACAATGGCG  
 CCGTAGATGCCGCTCCACACTGCTGAGCGCCATCACGTCCTTCTCCGCCGGTCTCTGAGCATCCGCTG  
 GACTCTGTGGTCCAAGCTGGTCAATCGCAGGTGTGATCGCCATCCAGGCCAGCCTGGTTTTCTGTATGTT  
 CAGATCCGGGACATCTGGGTGTGCTACGTGACCTTTGTGCTTTCCGTGGGGCTACCAGTTCCTTGTGC  
 CCATTGCCACTTTTCAGATTGCGTCTTCCCTGTCTAAAGAGCTCTGTGCATTGGTCTTTGGGATCAACAC  
 TTTCTAGCTACTGCGCTTAAGACCTGTATCACACTTGGTCTCTGACAAGCGGGTCTGGGTCTCCAA  
 GTCCGTGATCAGTTCGTATCTACTTCATATACTTCTGATGCTGTCTATCACCTGCTTTGCCTGGCGCG  
 GGCTGGATGGCTTAAGGTAAGTACTGCCAGCGTGGTCCGCCACCAGCCCTGGCCAGGCCAGGAGCTGAGGAG  
 TCCCTTGGAGACTTCTGTGCAAGCGATAAGCCTACAGGATGGAGACCTAAGGGGACCGCAGCCCTCAGCG  
 CCACAGCTGCTCTCAGAGGATGGCATGGAGGACGACAGGGGAGACTTAAGAGTGAAGCCAAGGCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001199271
- 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\\_001199271.1](#), [NP\\_001186200.1](#)

**RefSeq Size:** 2260 bp

**RefSeq ORF:** 1539 bp

**Locus ID:** 20509

**UniProt ID:** [P41438](#)

**Cytogenetics:** 10 39.72 cM

**Gene Summary:** Transporter for the intake of folate, reduced folates and methotrexate.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) contains an alternate exon for its 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.