

Product datasheet for **MC216939**

Slc19a2 (NM_054087) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Slc19a2
Synonyms:	AV276020; AW322295; DDA1; THTRI; TRMA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF: >MC216939 representing NM_054087
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGACGTGCCAGCCAGGGTGTCCAGACGAGCGCGCGCGCGGCCAGGATGCTTCTGCGTACTGCC
 GCGTCCCTCGCGAGTGCTGGTTCTGCGACCGCGCTGCTCTGCGCCTACGGCTTCTTCGCAAACCTCCG
 GCCGTGCGAGCCGTTCTCACGCCCTACCTTCTGGGACCCGACAAGAACTTGACCGAGAGACAGGTCTAC
 AATGAAATTTATCCGGTGTGGACGTACTCTTACCTGCTGCTGCTGTTTCCCGTGTCTTGGCACAGACT
 ACCTCCGGTACAAGCCTGTATCTGCTGCAGGACTCAGCCTGATTGTGACGTGGTTTATGCTGCTCTA
 TGCCCAAGGACTGCTGGCCATTCAAGTTCTTGGAATTTCTACGGCATCGCCACAGCCACCGAAATCGCC
 TACTACTCTATATCTATACTGTGGTGGACCTGGGCATGTACCAGAAAGTCAAGCTACTGTAGAAGTG
 CCACCTTGGTGGGCTTTACAGTGGGCTCCGTCTAGGGCAGATCCTCGTCTCCGTGGTGGGCTGGTCACT
 GTTCAGCTTGAACGTATCTCCCTCACCTGTGTTTCTGTGGCTTTTGTGTGGCCTGGTTTCTGCCTATG
 CCACAGAAGAGCCTCTTCTTTACCACATTCTTCTCTGTGATGGAGTGAACGGCCTCAAGGTACAAA
 ACGGTGGCATCGTTACTGATACCCAGCAGCTAACCATCTTCTGGATGGGAGGACATTGAGTCAAAAAT
 CCCTCTAAATTTAGATGAGCCTCCGGTGAAGAACCGAGGAGCCCAAGCCAGACCGGCTGCGGGTGTTC
 AGAGTCTGTGGAATGACTTCTGATGTGTTATCTCTCCGCCCTCTGCTCTGCTGGTCCGTGTGGTGGG
 CCCTGTCCACCTGCGGCTATTTCCAAGTGGTGAAGTACGCGCAGGAGTTGTGGGAGAAGGTGATGCCTTC
 TCAGAAATGCTGACATCTACAATGGCGGTGTGGAGGCCGTTTCAACCTTGTGGGTGCTAGTGTGTGTT
 GCAGTTGGCTATATAAGCTATCTTGGTCAACTGGGGAGAAATGACGTTGTTCTGTGTTCTCTCTGA
 TTGCTGCTGCAGTGTATGTCATGGACACTGTGCAGAGCATGCGGTGTGCTATGCATCTATGTTGTCTT
 CAGAATCATCTACATGGTACTCATCACCATAGCAACTTCCAGATTGCTGCGAACCTCAGCATGGAACGT
 TACGCCCTTGTGTTGCGCGTGAACACCTTCATTGCCCTGGCATTGCAGACTCTGCTCACTCTGATTGTGCG
 TGGATGCCAGGGGCTTGGCTATGTATCACCCTCAGTTCCTGATTTACGCCAGTTACTTCGCAGCCAT
 CTCTGTGGTTTTCTGGCGAATGGCATAGTCAGTATTATAAAGAAATGCAGAAAGCAGGAAGATCCCAGC
 TCCAGCCCCCAAGCCTCCACGTCT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_054087

Insert Size: 1497 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_054087.3, NP_473428.1</u>
RefSeq Size:	3571 bp
RefSeq ORF:	1497 bp
Locus ID:	116914
UniProt ID:	<u>Q9EQN9</u>
Cytogenetics:	171.56 cM
Gene Summary:	High-affinity transporter for the intake of thiamine.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).