

Product datasheet for **MG207986**

Slc19a2 (BC034659) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc19a2 (BC034659) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc19a2
Synonyms:	TRMA, THTR1, DDA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG207986 representing BC034659
 Red=Cloning site Blue=ORF Green=Tags(s)
 TTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACGTGCCAGCCAGGGTGTCCAGACGAGCGCGCGCGCGCCAGGATGCTTCTCGTACTGCC
 GGTCCCTCGCGAGTGTGGTTCCTGCCGACCGCGCTGCTCTGCGCTACGGCTTCTCGAAACCTCCG
 GCCGTCGGAGCCGTTCTCACGCCCTACCTTCTGGGACCCGACAAGAATTGACCAGAGACAGGTCTAC
 AATGAAATTTATCCGGTGTGGACGTACTTTACCTGCTGCTGCTGTTTCCCGTGTTCCTGCCACAGACT
 ACCTCCGGTACAAGCCTGTATCCTGCTGCAGGGACTCAGCCTGATTGTGACGTGGTTATGCTGCTCTA
 TGCCAGGGACTGCTGGCATTCACTTCTGGAATTTCTACGGCATCGCCACAGCCACCAGAAATCGCC
 TACTACTCTATATCTACTGTGGTGGACCTGGGCATGTACCAGAAAGTACAAGCTACTGTAGAAGTG
 CCACCTTGGTGGCTTTACAGTGGGCTCCGTCCTAGGGCAGATCCTCGTCTCCGTGGTGGCTGGTCACT
 GTTCAGCTTGAAGTCATCTCCCTCACCTGTGTTTCTGTGGCTTTTGTGTGGCCTGGTTTCTGCCTATG
 CCACAGAAGAGCCTCTTCTTTCACCACATTCCTTCTCCTGTGATGGAGTGAACGGCCTCAAGGTACAAA
 ACGGTGGCATCGTTACTGATACCCAGCAGCTAACCATCTTCTGGATGGGAGGACATTGAGTCAAAAAT
 CCCTCTAAATTTAGATGAGCCTCCGGTGGAGAACCAGGAGGCCAAGCCAGACCGGCTGCGGGTGTTC
 AGAGTCTGTGGAATGACTTCTGATGTGTTATTCCTCCCGCCCTGCTCTGCTGGTCCGTGTGGTGGG
 CCCTGTCCACCTGCGGCTATTTCCAAGTGGTGAACACGCGCAGGGATTGTGGGAGAAGGTGATGCCTTC
 TCAGAATGCTGACATCTACAATGGCGGTGTGGAGGCCGTTTCAACCTTGTGGGTGCTAGTGTGTGTTT
 GCAGTTGGCTATATAAGCTATCTTGGTCAACTGGGGAGAAATGACGTTGTTCTGTGTTCTCTCCTGA
 TTGCTGCTGCAGTGTATGTCATGGACACTGTGCAGAGCATCTGGGTGCTGATGCATGTTGTTGCTT
 CAGAATCATCTACATGGTACTCATCACCATAGCAACTTTCAGATTGCTGCGAACCTCAGCATGGAACTG
 TACGCCCTTGTGTTCCGGGTGAACACCTTCATTGCCCTGGCATTGCAGACTCTGCTCACTCTGATTGTCG
 TGGATGCCAGGGCCTTGGCTTATGTATCACCACTCAGTTCCTGATTTACGCCAGTTACTTCGCAGCCAT
 CTCTGTGGTTTTCTGGCGAATGGCATAGTCAGTATTATAAAGAAATGCAGAAAGCAGGAAGATCCACGC
 TCCAGCCCCCAAGCCTCCAGTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207986 representing BC034659
 Red=Cloning site Green=Tags(s)
 MDVPAVSRRAAAAAARMLLRTARVPRECFWFLPTALLCAYGFFANLRPSEPFLTPYLLGPKDNLTERQVY
 NEIYPVWTYSYLLLLFPVFLATDYLRYPVILLQGLSLIVTFMFLLYAQGLLAIQFLEFFYGIATATEIA
 YYSYIYTVVLDLGMVQKVTSYCRSATLVGFTVGSVVGQILVSVVWVSLFSLNVISLTCVSVAFVAVWFLPM
 POKSLFFHHIPSSCHGVNGLKVVQNGGIVDTTPAANHLPGWEDIESKIPLNLDPEPVEEPEPKPDRLRVF
 RVLWDFLMCYSSRPLLWVWVWALSTCGYFQVVNYAQGLWEKVMPSQNADIYNGGVEAVSTLLGASAVF
 AVGYIKLSWSTWGEMTLFLCSLLIAAAVYVMDTVQSIWVCYASYVVFRIIYMLITIIATFQIAANLSMER
 YALVFGVNTFIALALQTLTLIVVDARGLGLCITTQFLIYASYFAAISVVFLANGIVSIIKKCRKQEDPS
 SSPQASTS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: BC034659

ORF Size: 1496 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [BC034659](#), [AAH34659](#)

RefSeq Size: 3548 bp

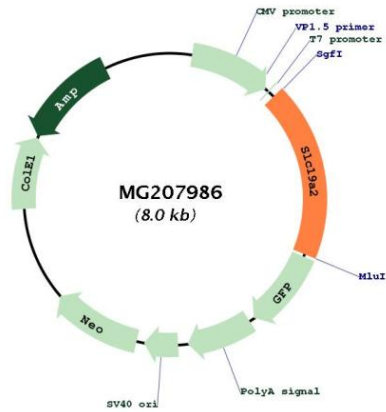
RefSeq ORF: 1496 bp

Locus ID: 116914

Cytogenetics: 1 71.56 cM

Gene Summary: High-affinity transporter for the intake of thiamine.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG207986