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Product datasheet for MC227814

Slc19a2 (NM_001276455) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc19a2 (NM_001276455) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc19a2
Synonyms:	AV276020; AW322295; DDA1; THTR1; TRMA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC227814 representing NM_001276455
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACGTGCCAGCCAGGGTGTCCAGACGAGCGGCGGCGGCGGCGGCCAGGATGCTTCTGCGTACTGCCC
GCGTCCCTCGCGAGTGCTGGTTCCTGCCGACCGCGCTGCTCTGCGCCTACGGCTTCTTCGCAAACCTCCG
GCCGTCGGAGCCGTTCCTCACGCCCTACCTTCTGGGACCCGACAAGAACTTGACCGAGAGACAGGTCTAC
AATGAAATTTATCCGGTGTGGACGTACTCTTACCTGCTGCTGCTGTTTCCCGTGTTCCTTGCCACAGACT
ACCTCCGGTACAAGCCTGTCATCCTGCTGCAGGGACTCAGCCTGATTGTGACGTGGTTCATGCTGCTCTA
TGCCCAGGGACTGCTGGCCATTCAGTTCTTGGAATTCTTCTACGGCATCGCCACAGCCACCGAAATCGCC
TACTACTCCTATATCTATACTGTGGTGGACCTGGGCATGTACCAGAAAGTCACAAGCTACTGTAGAAGTG
CCACCTTGGTGGGCTTTACAGTGGGCTCCGTCCTAGGGCAGATCCTCGTCTCCGTGGTGGGCTGGTCACT
GTTCAGCTTGAACGTCATCTCCCTCACCTGTGTTTCTGTGGCTTTTGCTGTGGCCTGGTTTCTGCCTATG
CCACAGAAGAGCCTCTTCTTTCACCACATTCCTTCCTCCTGTCATGGAGTGAACGGCCTCAAGGAGGAGC
CCAAGCCAGACCGGCTGCGGGTGTTCAGAGTCCTGTGGAATGACTTCCTGATGTGTTATTCCTCCCGCCC
TCTGCTCTGCTGGTCCGTGTGGTGGGCCCTGTCCACCTGCGGCTATTTCCAAGTGGTGAACTACGCGCAG
GGATTGTGGGAGAAGGTGATGCCTTCTCAGAATGCTGACATCTACAATGGCGGTGTGGAGGCCGTTTCAA
CCTTGCTGGGTGCTAGTGCTGTGTTTGCAGTTGGCTATATAAAGCTATCTTGGTCAACTTGGGGAGAAAT
GACGTTGTTCCTGTGTTCTCTCCTGATTGCTGCTGCAGTGTATGTCATGGACACTGTGCAGAGCATCTGG
GTGTGCTATGCATCCTATGTTGTCTTCAGAATCATCTACATGGTACTCATCACCATAGCAACTTTCCAGA
TTGCTGCGAACCTCAGCATGGAACGTTACGCCCTTGTGTTCGGCGTGAACACCTTCATTGCCCTGGCATT
GCAGACTCTGCTCACTCTGATTGTCGTGGATGCCAGGGGCCTTGGCTTATGTATCACCACTCAGTTCCTG
ATTTACGCCAGTTACTTCGCAGCCATCTCTGTGGTTTTCCTGGCGAATGGCATAGTCAGTATTATAAAGA
AATGCAGAAAGCAGGAAGATCCCAGCTCCAGCCCCCAAGCCTCCACGTCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001276455

Insert Size: 1383 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).

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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_001276455.1, NP_001263384.1
RefSeq Size:	3457 bp
RefSeq ORF:	1383 bp
Locus ID:	116914
UniProt ID:	Q9EQN9
Cytogenetics:	1 71.56 cM
Gene Summary:	High-affinity transporter for the intake of thiamine.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate in-frame splice site in the coding region, compared to variant 1. The encoded isoform (b) is shorter compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript from the same strain was available for the full length of the gene. The extent of this transcript is supported by transcript alignments and orthologous data.

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