

Product datasheet for **MC226418**

Slc25a19 (NM_001252394) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc25a19 (NM_001252394) Mouse Untagged Clone
Tag: Tag Free
Symbol: Slc25a19
Synonyms: 2900089E13Rik; DNC; MUP1; TPC
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226418 representing NM_001252394
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTGGCTATGACGCCAAAGCAGATGTCAGGAGTAACCTCAAGTTGGAGGTGGCGGTGGCGGGATCAG
 TGTCAGGATTTGTCACCCGTGCCCTGATCAGCCCTTTGGACGTCATCAAGATCCGTTTCCAGCTCCAGAT
 TGAACGCCTGTGTCCAAGTGACCCCAATGCCAAATACCACGGAATCTTCCAGGCAGCCAAGCAGATCCTG
 CAAGAGGAAGGCCCAAGAGCATTCTGAAAGGACACGTTCCAGCCAGATTCTGTCCATAGGCTACGGAG
 CTGTCCAATTTTTGGCCTTTGAAGAGTTGACTGAGCTGCTCTACCAAGCCAATTGTACCAACGCACCA
 GTTCTCAGCGCACTTTGTGTGCGGCGCCCTGTCTGCTGGCACTGCCACCCTCACCGTACACCCTGTGGAC
 GTCCTGCGTACCCGCTTGGCGCTCAGGGCGAGCCCAAGGGAACCTTAAAAACCTGCTTTGTGGCTGTGG
 TTCGGGAGTTATCAGCAAGACCTTTACATATCCCCTGGACCTCATCAAGAAGCGCCTGCAGGTGGGCGGG
 TTCGAACATGCCCGGTCTGCCTTTGGCCAGGTGCGGAGCTACAGGGGCCCTCTGGACCTCACCCAGCAGG
 TACTACAGGAAGAAGGCACCCGGGGCTTCTCAAGGGCCTGTCCCCAGCCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001252394
Insert Size: 684 bp



[View online »](#)

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:	<ol style="list-style-type: none">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:	<u>NM_001252394.1</u> , <u>NP_001239323.1</u>
RefSeq Size:	2291 bp
RefSeq ORF:	684 bp
Locus ID:	67283
Cytogenetics:	11 E2
Gene Summary:	<p>Mitochondrial transporter mediating uptake of thiamine pyrophosphate (ThPP) into mitochondria.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks an exon in the 5' region and another exon in the 3' region, compared to variant 1. The absence of the exon in the 3' region results in a frameshift. The resulting isoform (2) lacks an internal segment and has a shorter and distinct C-terminus, compared to isoform 1.</p>