

## Product datasheet for **MR223818**

### Slc44a1 (NM\_001159633) Mouse Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | Slc44a1 (NM_001159633) Mouse Tagged ORF Clone              |
| Tag:                      | Myc-DDK  |
| Symbol:                   | Slc44a1  |
| Synonyms:                 | 2210409B22Rik; 4833416H08Rik; AW547365; Cdw92; CHTL1; CTL1 |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)                                     |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                       |



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**ORF Nucleotide Sequence:**

>MR223818 representing NM\_001159633  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCTGCTGCAGCTCCGCCTCCGCCGCGCAGAGCTCCAACGAGAATGGAAGCCATTGGAAGACCGTA  
 GCTGCACAGACATACCATTGGCTGCTTCTTTGTTCTTCTGCAATGGGATGGGATTTATTTGTGGCTT  
 TTCAGTAGCAACAGGTGCAGCAGCAAGACTAGTGTGAGGATACGACAGCTATGGAATATCTGTGGCAG  
 AGAAATGCAAACTGGAAGCAATACCGAACAGTGGTCTGGACCACCCCACCGGAAGTATGTGTTCTTTT  
 TGGACCCATGCAACCTGGACTTGATAAACAGGAAGATCAAGTCTATAGCACTGTGCGTAGCAGCATGTCC  
 TCGACAGGAGTTGAAAACCTTGAGTGACGTCCAGAAGTTGCAGAGATCAATGGCTCAGCACTATGTAGC  
 TACAACATAAAGCCTTCTGAATATACTCTGACTTCAAAATCCTCTGGCTTTTGCCCAAGCTACCAGTAC  
 CAGCCAGTGCACCTATTCATTCTCCATCGCTGTGCTCTGTGAACATTTCTGCTATGCCAAGTTTGC  
 AGAGGCCCTGATCACCTTTGTCAGTGACAATAGTGTCTTACACAGGCTGATTAGTGGAGTAAAGACCAGC  
 AAAGAAATATATTGGGACTTTGCTTGTATCACTAGTCTGTCCATGATCCTGATGGTATTATACAGT  
 ATATATCAAGAGTGTAGTGTGGATTCTAACAGTCTGGTCATACTGGGTTCACTTGGTGGCACGGGTGT  
 ATTATGGTGGCTGTATGCAAAGCAAAGAAGTCCCCAAAGAAGCAGTTATTCCTGAGCAGCTTCAGATA  
 GCTGAGGACAATCTGCGGGCGCTCCTCATCTATGCCATTTACGCGACAGTGTCACTGTCATTCTCTTCC  
 TGATCATGCTGGTTATGCGCAAGCGTGTGGCTCTCACCATCGCCTTGTCCACGTGGCTGGCAAGGTCTT  
 CATACTTGCCTCTGTAGTCTCCAGCCCTTCTGGACGTTTTTGGCTCTCGTCTATTTTGGGCATAC  
 TGGATAATGACACTTCTCTTCTTGGCACTACTGGCAGTGTGTTGAGAATGAGCAAGGCTTCGTGGAGT  
 ACAAATACTCCGGCCCTTTGCAGTACATGTGGTGTACCACGTGGTTGGCCTGATTTGGATCAGTGA  
 CATTCTCGCCTGTCAGCAGATGACTGTGGCAGGAGCTGTGGTAACATACTACTTTACTAGGGATAAACGG  
 AATTTGCCTTTCACACCTATTCTGGCATCAGTGAATCGCCTTATTCGTTACCACCTCGGACTGTGGCAA  
 AAGGATCCTTCATTATCACCTCGTCAAAATCCCAGGATGGTCTCATGTATATCCACAGTCAAGTCAA  
 AGGGAAGGAAAACGCTTGTGCACGATGCATGCTGAAATCTGCATTTGCTGCCTTTGGTGTCTTGA  
 TGCCTGAGCTACTTAAACCAGGTTTGCATGCAGCCTTTGAAAGCCTGGAGCAGAGCCAGAAAACCTGAAGC  
 ATGCAAGGGGCAGTTGGGCATCTCAGACAAGAGACAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR223818 representing NM\_001159633  
 Red=Cloning site Green=Tags(s)

MGCCSSASAAQSSKREWKPLEDRSCTDIPWLLLFVLCIGMGFICGFSVATGAAARLVSGYDSYGNICGQ  
 RNAKLEAIPNSGLDHTHRKYVFFLDPCNLDLNRKIKSIALCVAACPRQELKTLSDVQKFAEINGSALCS  
 YNIKPSEYTLTSKSSGFCKLPVPASAPIPFHRCAPVNI SCYAKFAEALITFVSDNSVLHRLISGVMST  
 KEIILGLCLLSLVL SMILMVIIRYISRVLWILTVLVILGSLGGTGVLWVLYAKQRRSPKEAVIPEQLQI  
 AEDNLRALLIYASATVFTVILFLIMLVMRKRVALTIALFHVAGKVF IHLPLLVFPFWTFVALVFWAY  
 WIMTLLFLGTTGSAVQNEQGFVEYKISGPLQYMWVYHVGLIWI SEFILACQMTVAGAVVTTYFTRDKR  
 NLPFTPILASVNRLIRYHLGTVAKGSFIITLVKIPRMVLMYIHSQKKGKENCARCMLKSCICCLWCLEK  
 CLSYLNQVCMQPLKAWSRARKLKHARGSWGISDKRQ

**TRTRPLEQKLI SEEDLAANDILDYKDDDDKV**

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9044\\_a08.zip](https://cdn.origene.com/chromatograms/mm9044_a08.zip)

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_001159633

ORF Size: 1578 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: [NM\\_001159633.1](#), [NP\\_001153105.1](#)

RefSeq Size: 1938 bp

RefSeq ORF: 1581 bp

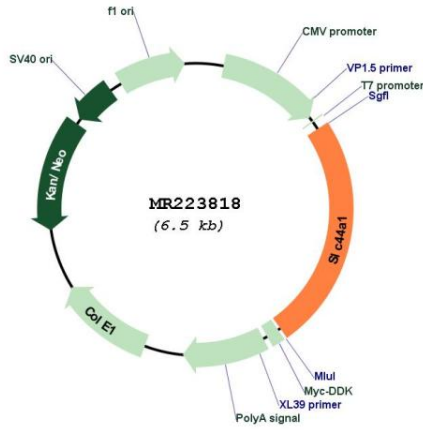
Locus ID: 100434

Cytogenetics: 4 B2

MW: 59.6 kDa

**Gene Summary:** Choline transporter. May be involved in membrane synthesis and myelin production. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR223818