

## Product datasheet for **MR225194**

### **Slc44a1 (NM\_133891) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc44a1 (NM_133891) 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)



[View online »](#)

ORF Nucleotide  
Sequence:

>MR225194 representing NM\_133891  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGGCTGCTGCAGCTCCGCCTCCGCCGCGCAGAGCTCCAACGAGAATGGAAGCCATTGGAAGACCGTA  
GCTGCACAGACATACCATGGCTGCTTCTTTGTTCTTCTGCAATTGGGATGGGATTTATTTGGGCTT  
TTCAGTAGCAACAGGTGCAGCAGCAAGACTAGTGTGAGGATACGACAGCTATGGAATATCTGTGGCAG  
AGAAATGCAAACTGGAAGCAATACCGAACAGTGGTCTGGACCACACCCACCGGAAGTATGTGTTCTTTT  
TGGACCCATGCAACCTGGACTTGATAAACAGGAAGATCAAGTCTATAGCACTGTGCGTAGCAGCATGTCC  
TCGACAGGAGTTGAAAACCTTGAGTGACGTCCAGAAGTTGCAGAGATCAATGGCTCAGCACTATGTAGC  
TACAACATAAAGCCTTCTGAATATACTCTGACTTCAAAATCCTCTGGCTTTTGCCCAAGCTACCAGTAC  
CAGCCAGTGCACCTATTCATTCTCCATCGCTGTGCTCTGTGAACATTTCTGCTATGCCAAGTTTGC  
AGAGGCCCTGATCACCTTTGTCAGTGACAATAGTGTCTTACACAGGCTGATTAGTGGAGTAAAGACCAGC  
AAAGAAATATATTGGGACTTTGCTTGTATCACTAGTCTGTCCATGATCCTGATGGTATTATACAGT  
ATATATCAAGAGTGTAGTGTGGATTCTAACAGTCTGGTCATACTGGGTTCACTTGGTGGCACGGGTGT  
ATTATGGTGGCTGTATGCAAAGCAAAGAAGTCCCCAAAGAAGCAGTTATTCCTGAGCAGCTTCAGATA  
GCTGAGGACAATCTCGGGCGCTCCTCATCTATGCCATTTACGCGACAGTGTTCAGTGTCTCTTCTTCC  
TGATCATGCTGGTTATGCGCAAGCGTGTGGCTCTCACCATCGCCTTGTCCACGTTGGCTGGCAAGGTCTT  
CATACACTTGCCTCTGTTAGTCTTCCAGCCCTTCTGGACGTTTTTGGCTCTCGTCTATTTTGGGCATAC  
TGGATAATGACACTTCTCTTCTTGGCACTACTGGCAGTGTGTTTTCAGAAATGAGCAAGGCTTCGTGGAGT  
ACAAAATCTCCGGCCTTTGCAGTACATGTGGTGTACCACGTGGTTGGCCTGATTTGGATCAGTGTGATT  
CATTCTCGCCTGTCAGCAGATGACTGTGGCAGGAGCTGTGGTAACATACTACTTTACTAGGATAAACGG  
AATTTGCCTTTCACACCTATTCTGGCATCAGTGAATCGCCTTATTCGTTACCACCTCGGTAAGTGTGGCAA  
AAGGATCCTTCATTATCACCTCGTCAAAATCCCCAGGATGGTCTCATGTATATCCACAGTCAAGTCAA  
AGGGAAGGAAAACGCTTGTGCACGATGCATGCTGAAATCCTGCATTTGCTGCCTTGGTGTCTTAAAAAG  
TGCCTGAGCTACTTAAACCAGAATGCATACACAGCCACAGCTATCAATAGCACCAACTTCTGCACCTCAG  
CAAAGGATGCCTTCGTCATTCTAGTGGAGAACGCTCTGCGAGTGGCTGCCATCAACACAGTGGGGGACTT  
CATGCTGTTCTAGGCAAGGTGCTGATAGTCTGCAGCACCGGTTTGGCTGGGATTATGCTGCTCAACTAC  
CAGCAAGATTACACAGTATGGGTGCTGCCTCTGATCATCGTCTGCCTCTTTGCTTTCCTAGTCGCTCATT  
GCTTCTGTCATTTACGAAATGGTAGTGGATGTATTGTTCTTGTGTTTTGCCATTGATACAAAATACAA  
TGATGGGAGCCCTGGCCGAGAATTCTATATGGACAAAGTCTGATGGAGTTTGTGGAAAACAGTAGGAAA  
GCAATGAAAGAAGCCGGCAAAGGAGCGCTGCGGACGCCCGAGAGCTAAAGCCGATGCTCAGGAAAAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR225194 representing NM\_133891  
Red=Cloning site Green=Tags(s)

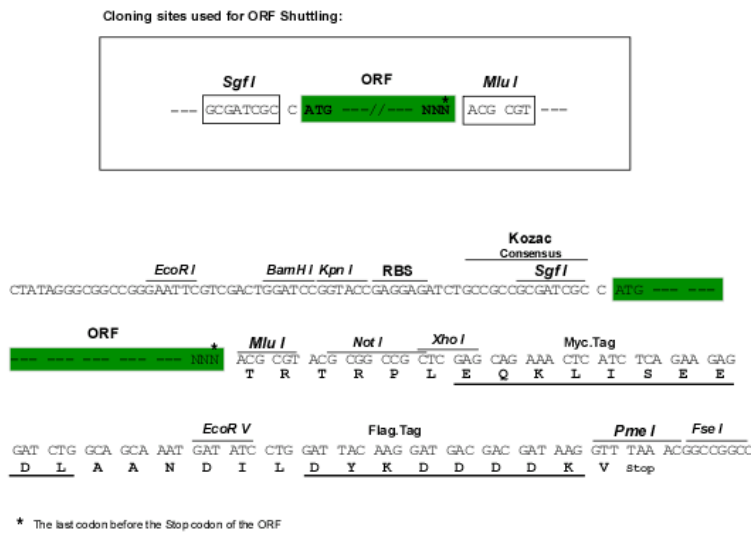
MGCCSSASAAQSSKREWKPLEDRSCTDIPWLLLFVLFCIGMGFICGFSVATGAAARLVSGYDSYGNICGQ  
 RNAKLEAIPNSGLDHTHRKYVFFLDPCNLDLINRKIKSIALCVAACPRQELKTLSDVQKFAEINGSALCS  
 YNIKPSEYTLTSKSSGFCPKLPVPASAPIPFHRCAPVNI SCYAKFAEALITFVSDNSVLHRLISGVMTS  
 KEIILGLCLLSLVL SMILMVIIRYISRVLVWILTVLVILGSLGGTGVLWVLYAKQRRSPKEAVIPEQLQI  
 AEDNLRALLIYAI SATVFTVILFLIMLVMRKRVALTIALFHVAGKVF IHLPLLVPFPWTFALVLFWAY  
 WIMTLLFLGTTGSAVQNEQGFVEYKISGPLQYMWWYHVGLIWI SEF ILACQMTVAGAVVTTYFTRDKR  
 NLPFTPILASVNRLIRYHLGTVAKGSFIITLVKIPRMVLMYIHSQLKGKENACARCMKSCICCLWCLEK  
 CLSYLNQAYTATAINSTNFCTSAKDAFVILVENALRVA AINTVGDFMLFLGKVL IVCSTGLAGIMLLNY  
 QQDYTVWVPLIIVCLFAFLVAHCFLSIYEMVVDVLF LCF AIDTKYNDGSPGREFYMDKVLMEFVENSRK  
 AMKEAGKGAADARELKPMLRKR

TRTRPLEQKLISEEDLANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9014\\_b07.zip](https://cdn.origene.com/chromatograms/mm9014_b07.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_133891

**ORF Size:** 1959 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\\_133891.3](#), [NP\\_598652.3](#)

**RefSeq Size:** 3102 bp

**RefSeq ORF:** 1962 bp

**Locus ID:** 100434

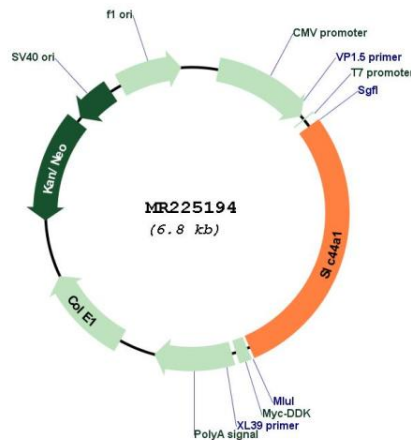
**UniProt ID:** [Q6X893](#)

**Cytogenetics:** 4 B2

**MW:** 73.5 kDa

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

**Product images:**



Circular map for MR225194