

Product datasheet for **MC220108**

Slc44a1 (NM_133891) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc44a1 (NM_133891) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc44a1
Synonyms:	2210409B22Rik; 4833416H08Rik; AW547365; Cdw92; CHTL1; CTL1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220108 representing NM_133891
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCTGCTGCAGCTCCGCCTCCGCCGCGCAGAGCTCCAACGAGAATGGAAGCCATTGGAAGACCGTA
 GCTGCACAGACATACCATGGCTGCTTCTTTGTTCTTCTGCAATGGGATGGATTTATTTGGGCTT
 TTCAGTAGCAACAGGTGCAGCAGCAAGACTAGTGTCCAGGATACGACAGCTATGGAATATCTGTGGCAG
 AGAAATGCAAACTGGAAGCAATACCGAACAGTGGTCTGGACCACCCCACCGGAAGTATGTGTTCTTTT
 TGGACCCATGCAACCTGGACTTGATAAACAGGAAGATCAAGTCTATAGCACTGTGCGTAGCAGCATGTCC
 TCGACAGGAGTTGAAAACCTTGAGTGACGTCCAGAAGTTGCAGAGATCAATGGCTCAGCACTATGTAGC
 TACAACATAAAGCCTTCTGAATATACTCTGACTTCAAACTCCTCTGGCTTTTGCCCAAGCTACCAGTAC
 CAGCCAGTGCACCTATTCATTCTCCATCGCTGTCTCTGTGAACATTTCTGCTATGCCAAGTTTGC
 AGAGGCCCTGATCACCTTTGTCAGTGACAATAGTGTCTTACACAGGCTGATTAGTGGAGTAAAGACCAGC
 AAAGAAATATATTGGGACTTTGCTTGTATCACTAGTCTGTCCATGATCCTGATGGTATTATCAGGT
 ATATATCAAGAGTGTAGTGTGGATTCTAACAGTCTGGTCATACTGGGTTCACTTGGTGGCACGGGTGT
 ATTATGGTGGCTGTATGCAAAGCAAAGAAGTCCCCAAAGAAGCAGTTATTCCTGAGCAGCTTCAGATA
 GCTGAGGACAATCTGCGGGCGCTCCTCATCTATGCCATTTACGCGACAGTGTTCCTGTCATTCTCTTCC
 TGATCATGCTGGTTATGCGCAAGCGTGTGGCTCTCACCATCGCCTTGTCCACGTGGCTGGCAAGGTCTT
 CATACTTGCCTCTGTAGTCTCCAGCCCTTCTGGACGTTTTTTGCTCTCGTCTATTTTGGGCATAC
 TGGATAATGACACTTCTCTTCTTGGCACTACTGGCAGTGTGTTGAGAATGAGCAAGGCTTCGTGGAGT
 ACAAAATCTCCGGGCTTTGCAGTACATGTGGTGGTACCACGTGGTGGCTGATTTGGATCAGTGAAT
 CATTCTCGCTGTGACGAGATGACTGTGGCAGGAGCTGTGGTAACATACTACTTTACTAGGGATAAACGG
 AATTTGCCTTTCACACCTATTCTGGCATCAGTGAATCGCCTTATTCGTTACCACCTCGGTAAGTGTGGCAA
 AAGGATCCTTCATTATCACCTCGTCAAAATCCCAGGATGGTCTCATGTATATCCACAGTCAAGTCAA
 AGGGAAGGAAAACGCTTGTGCACGATGCATGCTGAAATCTGCATTTGCTGCCTTTGGTGTCTTAAAAAG
 TGCCTGAGCTACTTAAACCAGAATGCATACACAGCCACAGCTATCAATAGCACCAACTTCTGCACCTCAG
 CAAAGGATGCCTTCGTCATTCTAGTGGAGAACGCTCTGCGAGTGGCTGCCATCAACACAGTGGGGGACTT
 CATGCTGTTCTAGGCAAGGTGCTGATAGTCTGCAGCACCGGTTGGCTGGGATTATGCTGCTCACTAC
 CAGCAAGATTACACAGTATGGGTGCTGCCTCTGATCATCGTCTGCCTCTTTGCTTTCCTAGTCGCTCATT
 GCTTCCTGTCATTTACGAAATGGTAGTGGATGTATTGTTCTTGTGTTTTGCCATTGATACAAAATACAA
 TGATGGGAGCCCTGGCCGAGAATTCTATATGGACAAAGTCTGATGGAGTTTGTGGAAAACAGTAGGAAA
 GCAATGAAAGAAGCCGGCAAAGGAGCGCTGCGGACGCCGAGAGCTAAAGCCGATGCTCAGGAAAAGGT
 GA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_133891
- Insert Size:** 1962 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).
- 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

Gene Summary: Choline transporter. May be involved in membrane synthesis and myelin production.
[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (A).