

Product datasheet for **MC217490**

Slc44a1 (NM_001159633) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc44a1 (NM_001159633) Mouse Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >MC217490 representing NM_001159633
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCTGCTGCAGCTCCGCCTCCGCCGCGCAGAGCTCCAACGAGAATGGAAGCCATTGGAAGACCGTA
 GCTGCACAGACATACCATGGCTGCTTCTTTGTTCTTCTGCAATGGGATGGATTTATTTGGGCTT
 TTCAGTAGCAACAGGTGCAGCAGCAAGACTAGTGTGAGGATACGACAGCTATGGAATATCTGTGGCAG
 AGAAATGCAAACTGGAAGCAATACCGAACAGTGGTCTGGACCACACCCACCGGAAGTATGTGTTCTTTT
 TGGACCCATGCAACCTGGACTTGATAAACAGGAAGATCAAGTCTATAGCACTGTGCGTAGCAGCATGTCC
 TCGACAGGAGTTGAAAACCTTGAGTGACGTCCAGAAGTTTGACAGAGATCAATGGCTCAGCACTATGTAGC
 TACAACATAAAGCCTTCTGAATATACTCTGACTTCAAACTCCTCTGGCTTTTGCCCAAGCTACCAGTAC
 CAGCCAGTGCACCTATTCATTCTCCATCGCTGTGCTCTGTGAACATTTCTGCTATGCCAAGTTTGC
 AGAGGCCCTGATCACCTTTGTCAGTGACAATAGTGTCTTACACAGGCTGATTAGTGGAGTAAAGACCAGC
 AAAGAAATATATTGGGACTTTGCTTGTATCACTAGTCTGTCCATGATCCTGATGGTATTATCAGGT
 ATATATCAAGAGTGTAGTGTGGATTCTAACAGTCTGGTCATACTGGGTTCACTTGGTGGCACGGGTGT
 ATTATGGTGGCTGTATGCAAAGCAAAGAAGTCCCCAAAGAAGCAGTTATTCCTGAGCAGCTTCAGATA
 GCTGAGGACAATCTGCGGGCGCTCCTCATCTATGCCATTTACGCGACAGTGTCACTGTCATTCTCTTCC
 TGATCATGCTGGTTATGCGCAAGCGTGTGGCTCTCACCATCGCCTTGTCCACGTGGCTGGCAAGGTCTT
 CATACTTGCCTCTGTAGTCTCCAGCCCTTCTGGACGTTTTTTGCTCTCGTCTATTTTGGGCATAC
 TGGATAATGACACTTCTCTTCTTGGCACTACTGGCAGTGTGTTGAGAATGAGCAAGGCTTCGTGGAGT
 ACAAAATCTCCGGCCCTTTGCAGTACATGTGGTGGTACCACGTGGTTGGCCTGATTTGGATCAGTATT
 CATTCTCGCTGTGACGAGATGACTGTGGCAGGAGCTGTGGTAACATACTACTTTACTAGGGATAAACGG
 AATTTGCCTTTCACACCTATTCTGGCATCAGTGAATCGCCTTATTCGTTACCACCTCGGTAAGTGTGGCAA
 AAGGATCCTTCATTATCACCTCGTCAAATCCCCAGGATGGTCTCATGTATATCCACAGTCAAGTCAA
 AGGGAAGGAAAACGCTTGTGCACGATGCATGCTGAAATCTGCATTTGCTGCCTTTGGTGTCTTAAAAAG
 TGCCTGAGCTACTTAAACCAGGTTTGCATGCAGCCTTTGAAAGCCTGGAGCAGAGCCAGAAAACCTGAAGC
 ATGCAAGGGGCAGTTGGGGCATCTCAGACAAGAGACAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001159633
- Insert Size:** 1581 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_001159633.1](#), [NP_001153105.1](#)

RefSeq Size: 1938 bp

RefSeq ORF: 1581 bp

Locus ID: 100434

Cytogenetics: 4 B2

Gene Summary: Choline transporter. May be involved in membrane synthesis and myelin production. [UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) has a different exon for its 3'-terminal exon, compared to variant 1, which results in a distinct 3' UTR and a protein (isoform B) with a shorter and distinct C-terminus, compared to isoform A.