

Product datasheet for **MC219633**

Slc43a1 (NM_001081349) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc43a1 (NM_001081349) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc43a1
Synonyms:	2610016F07Rik; AA986141; Lat3; PB39; Pov1; R00504
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219633 representing NM_001081349
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGATTGGAATTGGGATCCTGGGTCTCAGGAGATCCGGAGTGTGGAAGCGCCGGGAGACTCTGTGT
 TACTCCGGGTGTCAACAGCTGCGGGAGGCAAGTTTGTGCGGGACAGAGTCTCGGCCACCATGGCTCCAC
 GCTGAAGCAGGCGTACCCAGGCGCTGGTGGATGGCTTGACCGCTGTGGTGGAGAACCTTTCTTCTCC
 GCGGTGCTCCTGGGCTGGGCTCCCTGCTGATCATGCTCAAGAAGGAAGGCTTCTATTCCAGCCTGTGCC
 CAGCTGAGAACAGGACCAATACCACCAAGATGAACAGCATCAGTGGACAAGCTGTGACCAGCAGGAAAA
 GATGCTCAACCTGGGTTTACCATTGGCTCCTTCTGCTGAGTGTACCACACTGCCTCTGGGAATTCTC
 ATGGACCCTTTGGGCCAGGCTTTCGACTGGTGGCAGTGCCTGCTTGGCCATCCTGCACCTAA
 TGGCTTGGCCTCCAGGACACTGAAGTTTGTCTCCATTGATATCCTGGCACTGCCTGAATGGATT
 TGCTGGCATCTGTTAACGTTTACCTCACTCACGCTGCCAACATGTTTGGGAATTTGCGATCCACTTTC
 ATGGCCCTCATGATTGGCTCCTATGCGTCTTCTGCCATCACGTTCCCTGGAATCAAGCTGATCTACGATG
 CCGGAGTCCCCTTCACTGTCATCATGTTACATGGTCTGGCTGGCCTGTCTCATTTTTGAACTGTGC
 TCTCAACTGGCCTGCAGAAGCCTTCTGCCCCTGAGGAAGTTGACTACACGAAGAAGATCAAACCTATT
 GGGTTAGCCTTGGACCACAAGGTCACAGGTGACCGCTTCTACACCATGTAACCATTTGGGGTCAGCGGC
 TGAGTCAGAAGTCCCCAGCCTGGAGGAGGGCGCTGACGCCTTTATTTTATCCCCGGATATCCCTGGTAC
 CTCAGAGGAGACTCCTGAAAAGTCTGTCCCTTTTCGAAGAGCCTCTGCTCCCCATTTTCTGTGGAGC
 CTTGTACCATGGGCATGACCCAGCTTCGGGTCTCTTCTATATGGGTGCTATGAACAAGATCCTGGAGT
 TCATTGTGACTGGTGGCAAGGAACGTGAGACAAATGAGCAGAGACAGAAGTGGAGGACAGTTGAGTT
 CTACTCTCCATCTTTGGAGTCATGACGCTGTTGTGCTTCTCACCTGCCCTCATTGGCTACATCATG
 GACTGGCGCATCAAGACTGTGTGGATGCTCCAACGGAGGGCACCTGAATGAGAATGCTTCCTTTGGAG
 ATGCCAGAGATGGGGCTAGCACCAAGTTCACTAGACCACGCTACCGCAAGGTACAAAAGCTCACCAATGC
 CATCAATGCCTTACCCTGACCAACATCCTGCTTGTGGGTTTCGGCATCGCCTGCCTCATCAAGAACTTA
 CACCTGCAGTTGCTGGCCTTTGCTGCTGATACCATAGTTGCGGTTTCTTCCACTCAGCCTGTGGAGGTC
 TCTACGCTGCTGTTCCTGCAATCATTGTTGGGACTGACAGGCTTTCAGTCTCTCATCAGTGCCGT
 GTTTGCTCTGCTGCAACAGCTACTTTCATGGCCATGGTGGGACCCTGCATGGAGATCCCTTCTGGGTG
 AACCTGGGCTCCTACTTCTCTGTTTCTGGGATTTCTCTACCTTCTACTCTACTACTACCGGTCTC
 GCCTGCAGAGAGATATGCCACCAATTTGGTAGACCCACAGAAGGTGCTCAATACTTCGAAGGTGGCTAC
 ATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001081349
- Insert Size:** 1824 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_001081349.2](#), [NP_001074818.2](#)

RefSeq Size: 2539 bp

RefSeq ORF: 1824 bp

Locus ID: 72401

Cytogenetics: 2 D

Gene Summary: Sodium-independent, high affinity transport of large neutral amino acids. Has narrower substrate selectivity compared to SLC7A5 and SLC7A8 and mainly transports branched-chain amino acids and phenylalanine (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).