

Product datasheet for **MC228332**

Slc43a2 (NM_001199284) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc43a2 (NM_001199284) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc43a2
Synonyms:	7630402D21Rik; BC042513; Lat4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228332 representing NM_001199284
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCCACCCTGGCCACTGCCATCGGCGCCGCTGGTGGATGGCCTGCACCCTGTGTTGGAAAACC
 TCCTTTCTCCGCAGTCCTCCTGGGCTGGGGTTGCTGCTCATCATGCTCAAGTCCGAGGGCTTTTACTC
 CTACCTGTGTACGAAGCCAGAGAATGCTACTAACAGCACGGTCGGGGGCAGCGCAGAGCCGAACCCGAG
 GAGTTGAGCCTGGTGAATGGCTGGCTCAGCTGTAAGGCCCAGGATGAGATTCTGAATTTGGCCTTACC
 TGGGCTCCTTCTGCTCAGTGCCATCACCTGCCTCTGGGCATCATATGGACAAGTATGGTCCAAGGAA
 GCTCAGGCTGCTGGGCAGTGCTTGTCTTGTCTCTGCTTGTGATTGCATATGGAGCAAGTAACCCA
 GACTCGCTCTCTGTGCTCATCTTATCGCCTTGGCTCTGAACGGCTTTGGGGGATGTGCATGACGTTCA
 CTTGTTAACACTGCCAATATGTTCCGCGACCTTCGGTCCACATTTATTGCCTTGATGATTGGATCCTA
 CGTTCCTCAGCAGTTACCTTCCAGGAATAAAGCTCATCTACGACGCTGGCGCCTCCTTATTGGCATC
 CTAGTGGTCTGGGCTGGCTGCTCTGGCCTGGTTTTTTTTCAACTGTTTCTCAACTGGCCACTCGAGCCCT
 TCCCAGGCCAGAGGACATGGACTACTCGGTGAAGATCAAGTTCAGCTGGCTAGGCTTTGACCACAAGAT
 CACAGGGAAGCAGTTCTACAAGCAGGTGACCACAGTGGGGCGCCGCTGAGCGTGGGCAGCTCTATGCGG
 ACTGCCAAGGAGCAAGCCGCCCTGCAGGAGGGCCACAAGCTGTGTCTGTCCACTGTGGACCTGGAGGTGA
 AGTGCCAGCCTGATGCTGCAGCGGCCCATCGTTTATGCACAGTGTGTTAGCCCCCTCTGGTGTCTCAG
 CCTGGTACCATGTGTGTACACAGCTGCGACTTATCTTCTACATGGGGCTATGAACAGCATCCTTGAG
 TTCCTGGTCAGGGGGACCAGAAGACAGTTGCCCTCTATACCTCCATCTTTGGCGCACTCCAGCTGCTCT
 GCCTGTGACAGCTCCTGTCATCGGCTACATCATGGACTGGAAGCTGAAAGAGTGTGAAGATACTTCAGA
 GGAGCCTGAGGAGAAAGAAGGCACTCAAGGTGAAAAGAAGCAGAAACGAGACAGGCAGATTACAGAAAGTC
 ACGAATGCCATGCGGGCCTTCGCCTTTACAAAAGTGTGCTTGTGGGTTTTGGGGTGACCTGCCTATT
 CCAACCTGCCTCTACAGATCTTCTCCTTCTGCTGACACAATTGTGCGAGGATTCATCCACTCTGCCGT
 AGGGGGCCTATACGCTGCCGTGTACCCCTCCACACAGTTTGGTAGCCTCACTGGACTGCAGTCCCTGGTC
 AGTGGCTCTTTGCTCTCCTGCAGCAGCCGCTGTATCTGGCCATGATGGGCTCTGGGAGGAGACCCTC
 TGTGGGTGAACGTGGGTCTGCTCGCCATGAGCATGCTGGGCTTCTGCCTGCCCTTTACCTCATCTGCTA
 CCGGCGCCAGCTGGAGAGGCAGCTGCAGCAGAAGAGGGAAGACAGCAAGCTGTTCTTAAGATCAATGGC
 TCATCCAACCGGAGGCTTTCGT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001199284
- Insert Size:** 1707 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001199284.1](#), [NP_001186213.1](#)

RefSeq Size: 6952 bp

RefSeq ORF: 1707 bp

Locus ID: 215113

UniProt ID: [Q8CGA3](#)

Cytogenetics: 11 B5

Gene Summary: Sodium-, chloride-, and pH-independent, high affinity transport of large neutral amino acids. [UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) contains a different segment from its 5' UTR, compared to variant 1. All three variants encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.