

## Product datasheet for **MC228331**

### **Slc43a2 (NM\_001199283) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc43a2 (NM_001199283) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc43a2
Synonyms:	7630402D21Rik; BC042513; Lat4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228331 representing NM\_001199283  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGCCACCCTGGCCACTGCCATCGGCGCCGCTGGTGGATGGCCTGCACCCTGTGTGGAAAACC  
 TCCTTTCTCCGCACTCCTGGGCTGGGGTTGCTGCTCATCATGCTCAAGTCCGAGGGCTTTTACTC  
 CTACCTGTGTACGAAGCCAGAGAATGCTACTAACAGCACGGTCGGGGGCAGCGCAGAGCCGGAACCCGAG  
 GAGTTGAGCCTGGTGAATGGCTGGCTCAGCTGTAAGGCCAGGATGAGATTCTGAATTTGGCCTTACCAG  
 TGGGCTCCTTCTGCTCAGTGCCATCACCTGCCTCTGGGCATCATATGGACAAGTATGGTCCAAGGAA  
 GCTCAGGCTGCTGGGCAGTGCTTGTCTTCTGCTCTGCTGCTGATTGCATATGGAGCAAGTAACCCA  
 GACTCGCTCTCTGTGCTCATCTTATCGCCTGGCTCTGAACGGCTTTGGGGGATGTGCATGACGTTCA  
 CTTGTTAACTGCCAATATGTTCCGCGACCTTCGGTCCACATTTATGCCTTGATGATTGGATCCTA  
 CGCTTCTCAGCAGTTACCTTCCAGGAATAAAGCTCATCTACGACGCTGGCGCCTCTTCAATTGGCATC  
 CTAGTGGTCTGGGCTGGCTGCTCTGGCCTGGTTTTTTTCAACTGTTTCTCAACTGGCCACTCGAGCCCT  
 TCCCAGGCCAGAGGACATGGACTACTCGGTGAAGATCAAGTTCAGCTGGCTAGGCTTTGACCACAAGAT  
 CACAGGGAAGCAGTTCTACAAGCAGGTGACCACAGTGGGGCGCCGCTGAGCGTGGGCAGCTCTATGCGG  
 ACTGCCAAGGAGCAAGCCGCCCTGCAGGAGGGCCACAAGCTGTGTCTGTCCACTGTGGACCTGGAGGTGA  
 AGTGCCAGCCTGATGTGTCAGCGGCCCATCGTTTATGCACAGTGTGTTAGCCCCCTCTGGTGTCTCAG  
 CCTGGTACCATGTGTGTACACAGCTGCGACTTATCTTCTACATGGGGGCTATGAACAGCATCCTTGAG  
 TTCCTGGTCAGGGGGACCAGAAGACAGTTGCCCTCTACCTCCATCTTTGGCGCACTCCAGCTGCTCT  
 GCCTGTGACAGCTCCTGTCATCGGCTACATCATGGACTGGAAGCTGAAAGAGTGTGAAGATACTCAGA  
 GGAGCCTGAGGAGAAAGAAGGCACTCAAGGTGAAAAGAAGCAGAAACGAGACAGGACAGATTACAGAAAGTC  
 ACGAATGCCATGCGGGCCTTCGCCCTTACAAAAGTGTGCTTGTGGGTTTTGGGGTGACCTGCCTATTTC  
 CCAACCTGCCTCTACAGATCTTCTCCTTCTGCTGACACAATTGTGCGAGGATTCATCCACTCTGCCGT  
 AGGGGGCCTATACGCTGCCGTGTACCCCTCCACACAGTTTGGTAGCCTCACTGGACTGCAGTCCCTGGTC  
 AGTGGCTCTTTGCTCTCCTGCAGCAGCCGCTGTATCTGGCCATGATGGGCTCTGGGAGGAGACCCTC  
 TGTGGGTGAACGTGGGTCTGCTCGCCATGAGCATGCTGGGCTTCTGCCTGCCCTTACCTCATCTGCTA  
 CCGGCGCCAGCTGGAGAGGACAGCTGCAGCAGAAGAGGGAAGACAGCAAGCTGTTCTTAAGATCAATGGC  
 TCATCAAACCGGAGGCTTTCGT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001199283
- 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\\_001199283.1](#), [NP\\_001186212.1](#)

**RefSeq Size:** 7170 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 (1) represents the longest transcript. 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.