

Product datasheet for **MC202333**

Slc43a2 (NM_173388) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc43a2 (NM_173388) Mouse Untagged Clone
Tag: Tag Free
Symbol: Slc43a2
Synonyms: 7630402D21Rik; BC042513; Lat4
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC042513 sequence for NM_173388
 CCCACGCGTCCGGGGCGGGCCGATACACACTGGTAGGAGCCGGGTGTCTGCAGAACCCGAGCCCGACCA
 CCGCCACACCGCACCATGGCGCCACCCTGGCCACTGCCATCGGCGCCGCTGGTGGATGGCCTGCACCG
 CTGTGTTGAAAAACCTCCTTTTCTCCGAGTCCTCCTGGGCTGGGGTTCGCTGCTCATCATGCTCAAGTC
 CGAGGGCTTTTACTCCTACCTGTGTACGAAGCCAGAGAATGTCACTAACAGCACGGTCGGGGGCAGCGCA
 GAGCCGGAACCCGAGGAGTTGAGCCTGGTGAATGGCTGGCTCAGCTGTAAGGCCAGGATGAGATTCTGA
 ATTTGGCCTTCACCGTGGGCTCCTTCTGCTCAGTGCCATCACCCCTGCCTCTGGGCATCATCATGGACAA
 GTATGGTCCAAGGAAGCTCAGGCTGCTGGGCGAGTCTTGTCTTGTCTCTGCTTGTGATTGCATAT
 GGAGCAAGTAACCCAGACTCGCTCTCTGTGCTCATCTTTATCGCCTTGGCTCTGAACGGCTTTGGGGGA
 TGTGCATGACGTTCACTTCGTTAACTGCCAATATGTTCCGGCAGCTTCGGTCCACATTTATTGCCTT
 GATGATTGGATCCTACGCTTCTCAGCAGTTACCTTCCCAGGAATAAAGCTCATCTACGACGCTGGCGCC
 TCCCTTATTGGCATCCTAGTGGTCTGGGCTGGCTGCTCTGGCCTGGTTTTTTCAACTGTTCTTCAACT
 GGCCACTCGAGCCCTTCCCAGGCCAGAGGACATGGACTACTCGGTGAAGATCAAGTTACAGCTGGCTAGG
 CTTTGACCACAAGATCACAGGGAAGCAGTTCTACAAGCAGGTGACCACAGTGGGGCGCCGCTGAGCGTG
 GGCAGCTCTATGCGGACTGCCAAGGAGCAAGCCGCCCTGCAGGAGGGCCACAAGCTGTGTCTGTCCACTG
 TGGACCTGGAGGTGAAGTGCCAGCCTGATGCTGCAGCGGCCCCATCGTTTATGCACAGTGTGTTACAGCC
 CCTCCTGGTGTCTCAGCCTGGTACCATGTGTGTACACAGCTGCGACTTATCTTCTACATGGGGGCTATG
 AACAGCATCCTTGAGTTCTGGTCAGGGGGACCAGAAGCAGTTGCCCTCTATACTCCATCTTTGGCG
 CACTCCAGCTGCTGCCTGCTGACAGCTCCTGTATCGGCTACATCATGGACTGGAAGCTGAAAGAGTG
 TGAAGATACTTACAGAGGAGCCTGAGGAGAAAGAAGGCACCTCAAGGTGAAAAGAAGCAGAAACGAGACAGG
 CAGATTAGAAAAGTACGAATGCCATGCGGGCCTTCGCCTTTACAAACGTGCTGCTTGTGGGTTTTGGGG
 TGACCTGCCTCATTCCCAACCTGCCTCTACAGATCTTCTCCTTCGCTCCTGCACACAATTGTGCGAGGATT
 CATCCACTCTGCCGTAGGGGGCCTATACGCTGCCGTGTACCCCTCCACACAGTTTGGTAGCCTCACTGGA
 CTGCAGTCCCTGGTCAGTGCCTCTTGTCTCCTGCAGCAGCCGCTGTATCTGGCCATGATGGGTCTCT
 TGGGAGGAGACCCTCTGTGGTGAACGTGGGTCTGCTCGCCATGAGCATGCTGGGCTTCTGCCTGCCCT
 TTACCTCATCTGCTACCGCGCCAGCTGGAGAGGCAGCTGCAGCAGAAGAGGGAAGACAGCAAGCTGTC
 CTTAAGATCAATGGCTCATCCAACCGGGAGGCTTTCGTGTAGTGCCACCACCCTCAGTTGTGGCCT



[View online »](#)

```

CCTGCCTGTGCTTCAGTGACTGACTGCAGTCATCTCCCCACCCAGAGGACCTCATGCTCTCCCTGGATC
CTGCCCTTACCACACTGGAGCCATACTTCTCAGAACCACCTGGCCCTGCCGTGGAGTGTGGTGTGG
AGGGACAGGAGAGGGCCTGGGACAAAGTGAACCTCCCACTGCCAGAAGCTGGGCTGCCCTGGCCTAGCTGT
CACCCAGGGGCTCTGAAGTCTCCCGATCTCCATGGGGCTTGTACCTGGAGCCAAGGGGACCTTTTCAGC
GAGCATTCTTTCTTTTTATTTTTCTTTCTTTCTACTGATCGGATTCTGCCTTTGCCAAAGCAGA
GGGGCTGCCATCCTCCAGCACACTACCTGTCCCTGAGCTGCACGCCACCAACCAGCCACCTGAGGA
CAAAGGCTTGGCTGTCTGCACCTCCCCTTGCTTGGCCCCCTTACCTCCCCCTGGCCAGTCTGGCTGCCTGAG
GAAGGAAGGACCCGCTTCTGTTGTTGGTGCTAACCCCTTTGTCATCCCAACACCCCTGCCCGTGGCT
AGTCTCTGGCCCCCTTTTTCTTGAAGCCTGAGAAGAAGCCCCCTGTCTCAGGCTGGGGAAGGAGTG
GAGGGCAGACTATTTACACAAAGCCTCAAGAGCCTGGGCCAGGCTTCTTCTCCGGAGCCAGAGCAGTG
TCTCTCTGCTGGCAGCTTTGTTCCAGTCTGCAACCTGAAGGGAATAAGGGGACACCACAAGGGCACCC
TCCCATCCACCCACAGCTGTTTTCTGGGGTGGAAATAAGGCTGTGACTAGACATGAGGAGCCAAGCCTA
AATAGGGAAGAGGATTAGTGAGTAACCCGAGGGGTGTGTGTTATGTGGTACGTGTGTGCATGTGTGT
ATATGGTAGGAGCTAGCCCAGGGGCTGCTTTTATCAGAGTGGACCAGACCAGAAGCCAGCCAGCCCTA
CAGCAGGCTCAAAATAGGAGTCAGCCTTGCTTTATGATGGGACCTGTGTGTATCGGTGTGATCACAGTG
CCCCCTGTGGCAGACTCACATCAGGGGACTGGAACGGTTCATGTAGTAGAAGCCTAGCCGGCCTGCCTG
GCTCACTAACCCACCTTGCCCTTGACAACCCCTAGAAACCCCTGCCTGAGACCTCTTGGGGTGCCAAGAGGG
GTACATTGGTTTTAAGTTTATGGTTTTCTTGTTTTATCATGATTCTTTTTATGAAGCAATAAATCCA
TTTCCCTGTTGGTAATGGATGCCCTCCTCACGTATCAGTAATTACTGTATGTGCCTATTTTATATTTG
AGAGGAGAGACAGGGCAAAGGGTCTGCCAGGAAGAAAAGAAAAAAGCCAGACATAGTGGCACACAT
TTAATCCCAGCATGGAACTGAAGCAGGCAGAGTTGAGGCCAGTCTAGTCTACATGGAGAATTCTAG
GGCTACATAGTCAAAATCTGTAGATGTTCTGCTAGTGACAAACCCAGCTACACCTGGGTGACATGTCCAG
GAAGGGCATGGGCAAAGGAAAGCCCTGTCTACCCTGTCCAGGAAATGGGGCTGTGGAGAGGTGTGGGC
TGCCCTCACTGCTGTCTGTTGCGACTAGACAGACCAATCCAGAGAGAGCCTTCATCTCCACTGTTGGCTG
TTACCGTGAAGCCCAAGGGTGTATATGGTACTCCAGGAAAGTCTAGGCTAACTAGCACCCAGGCT
AACTGAGATGCCCTCAGTCTCAGTGCAGGCCCTGTTGTGAGAGTGGACTGCCAGGTCTTGACTCCAGTCT
GTTCAAACAGTAATCACATAACCCCAACAGTGAGCTAGTGAAGCCCTTTGAGGCTTCTCATGGCTCAGT
GGTAGAGCTCACTCTAACATGGCTAAGACCCTAGGTTCTGTTTCCAAGAGAGCTATTGTGATTTTTCC
AAACCATCTCTCAGAACACTTGTCTGTGAAAAGGTCTAGTGGGGTACGCTGAGTTAAAGTCAGACCTGCC
ACTTCACAGCAGGGATCCACAGCCCTTTCCCATGTTCTGAGCATTGGAGCTGGGGGTAGCACCAGGTG
TAGTGTCAGGAGGACCTCTTGGAGTTCAAGCCCAGCCTCTGTACATTTCCAGTTCAGGCTAGCCGGGA
CTATTCATGAGACCCTGTCCAAAAAATCCAAAAACCTGTTTGAAGGATGTGGAGAAAAATTGGAA
GTTTTAGGCATTGCTGTCTGAGTGGTGGAGCTGAGAGCTGTGAAACATGGCACAGTCCCGTAATGCCAG
CACAAAAGGCAAAGGGTACATCTTTCAGCATGAGCTGCAACCCCTGCTCACACACAAGGTTGTGACATG
CTGAGTGGTGACAAATCATAGCCATGTGCGACATGGTGGCTACTTGGCTGAAATGTGGATTGGCTCCAGG
CCTGGGTGTGGATGTAGCTCAGTTGGTAGCATGTTTGCCTAGCTTACCCAAAGCCCTGGGTTTGAATAAA
CCTGGCATGGTAGTGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

```

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_173388
- 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).
- 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: [BC042513](#), [AAH42513](#)

RefSeq Size: 4389 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 (3) 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.