

Product datasheet for **MC220089**

Slc23a2 (NM_018824) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc23a2 (NM_018824) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc23a2
Synonyms:	AI844736; mKIAA0238; NBTL1; Slc23a1; SVCT2; YSPL2; YSPL3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220089 representing NM_018824
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGGGTATCGCAAGAACACGGCATCCAAGTCAGTGGAGGCTGGGGCTCCACGGAAGCAATATG
 AAGAGGAGGCGAAGCACTCGAATTTCTTTACTCTCCCGGTGGTATCAATGGTGGGGCCACATCCAGCGG
 AGAGCAGGACAACGAGGACACGGAGCTCATGGCAATCTACACCACAGAGAACGGCATTGCAGAGAAGAGC
 TCTCTTGACAGAGACCCTGGACAGCACTGGGAGCCTGGATCCCCAGAGGTCGGATATGATCTACACTATAG
 AAGATGTTCTCCCTGGTACTTGTGCATATTCCTGGGATTGCAGCACTACCTGACGTGTTTCAGTGGCAC
 GATCGCGGTGCCCTTTTCTGGCTGATGCCATGTGCGTGGGGATGACCAGTGGGCCACCAGCCAGCTC
 ATCGGGACCATTTCTTCTGCGTGGGAATCACTACATTGCTGCAGACAACATTTGGATGCAGTTACCCC
 TGTTTCAGGCCAGTGCTTTTGCATTTTGGCCCTGCTCGAGCCATCCTGTCTTTAGATAAATGAAATG
 TAACACCACAGAGATTACAGTTGCAATGGAACGGCAGAGCTGTTGGAACACATCTGGCATCCCCGAATC
 CAAGAGATCCAGGGGGCTATCATCATGTCTCACTGATAGAAGTGGTCATTGGCCCTCTTGGCCTGCCTG
 GGGCTCTGCTGAGGTATATTGGACCCTGACCATCACACCACCCTGGCCCTCATTGGCCTCTCTGGTTT
 CCAGGCAGCAGGAGAGAGAGCCGAAAGCACTGGGGCATTGCCATGCTGACGATTTTCTAGTGTACTC
 TTCTCACAGTATGCCAGAAATGTTAAATTTCTCTCCAAATTTACAAATCCAAGAAAGGATGGACGGCAT
 ACAAGTTCCAGCTTTTCAAATGTTTCTATAATCCTGGCTATCCTCGTGTCTGGCTGTGTGTTTCAT
 CTTACGGTGACTGATGTCTTCCCTTCCAACAGCACCGACTATGGCTACTATGCACGCACAGATGCCAGG
 AAGGGTACTTCTGGTAGCCCCATGGTTAAGGTTCCATACCCATTTCACTGGGGGATGCCACCCTCT
 CTGCAGCTGGCGTCATTGGCATGCTCAGTGGCGTGTAGCCAGTATCATTGAGTCCATCGTGACTACTA
 CGCCTGTGCCAGGCTCTCCTGTGCCCGCCGCGCCTATCCATGCAATAAACAGGGGTATTTTCTGGAG
 GGTCTTCTGTGTTCTTGTGATGGCATATTTGGTACCGGAATGGCTCTACCTCCTCCAGTCCCAATATTG
 GAGTTTTGGGAATTACAAAGGTCGGCAGCCGCGGGTATCCAGTACGGTGCAGCTCTCATGCTGGGCTT
 GGGCATGGTTGGCAAGTTCAGCGCCCTCTTGCCTCCCTCCAGACCCTGTGCTCGGAGCCCTCTTCTGC
 AACTCTTTGGAATGATCACGGCGGTGGCCTCTCGAACCTGCAGTTCATTGACTTGAATCTTCCCGGA
 ACCTGTTTGTGCTTGATTCTCCATCTTCTTGGCCTTGTCTTCCAAGTTACCTCCGACAAAACCTCT
 GGTTACAGGAATAACAGGAATCGACCAATCCTGAATGTCCTTCTCACCACCGCTATGTTGTAGGAGGC
 TGTGTGGCTTTTCAATTTGGACAACACCATCCAGGTACCCAGAGGAAAGAGGAATCAAGAAATGGAAGA
 AGGGTGTGAGCAAAGGAAGCAAGTCTCTGGACGGCATGGAGTCTACAATCTGCCATTTGGCATGAACAT
 TATTA AAAAGTACCGATGCTTACGCTACCTGCCATCAGCCCCACCTTTGCAGGCTACACTTGGAAAGGC
 TTTGGGAAGAGTGAGAACAGCCGGAGTTCAGACAAAGATCCCAGGCCACAGT**ATAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_018824
- Insert Size:** 1947 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_018824.2](#), [NP_061294.2](#)

RefSeq Size: 6487 bp

RefSeq ORF: 1947 bp

Locus ID: 54338

UniProt ID: [Q9EPR4](#)

Cytogenetics: 2 F2

Gene Summary: Sodium/ascorbate cotransporter. Mediates electrogenic uptake of vitamin C, with a stoichiometry of 2 Na(+) for each ascorbate (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Variants 1 and 2 both encode the same isoform (a).