

Product datasheet for **RN212582**

Slc23a2 (NM_017316) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc23a2 (NM_017316) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc23a2
Synonyms:	SVCT2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN212582 representing NM_017316
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGGGTGTCGGCAAGAACACATCAAAGTCGGTGGAGTTGGGGCTCCACAGAAGGCAAATATGAAG
 AGGAGGCCAAGCGCCCCGATTTCTTACTCTCCGGTGGTGATCAATGGTGGGGCCACGTCCAGTGGAGA
 ACAGGACAATGAAGACTGAGCTCATGGCCATCTACACCACAGAGAATGGCATTGCAGAGAAGAGCTCT
 CTCGCAGAGACCTGGACAGCACTGGGAGCCTGGATCCCCAGAGGTCAGATATGATCTACACTATAGAAG
 ACGTTCCTCCCTGGTACTTATGCATATTCCTGGGGTTCAGCACTACCTGACGTGTTTCAGTGGCACAAT
 CGCAGTGCCTTTTTGCTGGCTGATGCCATGTGCGTGGGGATGACCAGTGGGCCACCAGCCAGCTCATC
 GGGACATTTTCTTCTGCGTGGGAATCACTACATTGCTGCAGACAACATTTGGATGCAGGTTACCCCTGT
 TTCAGGCCAGTGTTCATTTTTGGCCCTGCTCGAGCCATCCTGTCTTTAGATAAATGGAAATGTAA
 CACCACAGAGATCACAGTTGCCAACGGAACGGCAGAGCTTTGGAACACATCTGGCACCCCCGGATCCAA
 GAGATCCAGGGGCTATAATCATGTCCTCACTGATAGAAGTGGTATTGGCCTCCTTGGCCTGCCTGGGG
 CTCTGCTGAGGTATATTGGACCCTTGACCATCACACCACCGTGGCCCTATTGGCCTCTCTGGTTTCCA
 GGCAGCAGGAGAGCGAGCTGGGAAGCACTGGGGCATTGCCATGCTGACAATTTTCTAGTGTACTATTC
 TCACAATATGCCAGAAATGTTAAATTTCTCTCCAATCTACAAATCCAAGAAAGGATGGACGGCCTACA
 AGTTACAATTTTCAAAATGTTTCTATAATCCTGGCTATCCTCGTGTCTGGCTGCTGTCTTCATCTT
 CACGGTACTGACGTCTCCCTTCCAACAGCACCAGCTATGGCTACTATGCACGCACAGATGCCAGGAAG
 GCGTACTTCTGGTAGCCCCATGGTTAAGGTTCCATACCCATTCAGTGGGGATGCCACCCTCTCTG
 CAGCTGGCGTCATTGGCATGCTCAGTGTGCTGAGCCAGTATCATTGAGTCCATCGGCGACTACTATGC
 CTGCGCCAGGCTCTCCTGTGCCACCACCTCCTATACATGCAATAAACAGGGGATTTTTGTGGAGGGT
 CTTTCTGTGTTCTCGATGGCGTATTTGGTACCGGAATGGCTCTACCTCCTCCAGTCCCAATATTGGAG
 TTTTGGGAATTACAAAGGTTGGCAGCCGCCAGTGATCCAGTATGGTGCAGCTCTCATGCTGGGCTTGGG
 CATGATTGGCAAGTTCAGCGCCCTCTCGCCTCCCTCCAGACCCTGACTCGGAGCCCTCTTCTGCACA
 CTCTTTGGAATGATCACAGCTGTTGGCCTCTTAACCTGCAGTTCATTGACTTGAATTTCTCCCGAACC
 TATTTGTGCTGGATTTCCATCTCTTTGGGCTGTTCTTCCAAGTTACCTCAGACAAAACCTCTGGT
 TACAGGCATAACAGGCATTGATCAAGTTCTGAATGTCCTTCTCACCAGTCTATGTTCTGTCGGAGGCTGT
 GTGGCTTTTATTTGGACAACACCATCCCAGGAACCCAGAGGAAAGAGGATCAAGAAATGGAAGAAGG
 GTGTGAGCAAAGGAAACAAGTCTCTTGACGGCATGGAGTCTATAATTTGCCATTTGGCATGAACATTAT
 TAAAAAATACAGATGCTTCAGCTACCTGCCTATCAGCCCAACCTTTGCAGGTTACACATGAAAAGGCTTT
 GGAAGAGTGAGAACAGGCGGAGTTCAGACAAAGACTCCCAGGCCACAGTA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_017316
- Insert Size:** 1944 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_017316.2](#), [NP_059012.2](#)

RefSeq Size: 6314 bp

RefSeq ORF: 1944 bp

Locus ID: 50622

UniProt ID: [Q9WTW8](#)

Cytogenetics: 3q36

Gene Summary: mediates concentrative, high-affinity L-ascorbic acid transport which is driven by the Na⁺ electrochemical gradient [RGD, Feb 2006]