

Product datasheet for **RN210127**

Slc23a1 (NM_017315) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc23a1 (NM_017315) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc23a1
Synonyms:	SVCT1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN210127 representing NM_017315
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAAGCTCAGGAGACCCCGGGAGCTCAAAGCAGCATGAATGCCAGATTAGCAGGGACTTCCACCA
 GGGACCAGCAGGCACCTTTGCCCGGGAGCCCAAGTTTGACATGTTGTACAAGATTGAGGACGTGCCACC
 ATGGTACCTGTGTATCCTGCTGGCTTCCAGCATTACCTGACATGCTTCAGTGGTACCATTGCTGTGCC
 TTCCTCCTGGCTGAGGCCTGTGTGTGGCCGCGACCAGCACATGATCAGTCAGCTCATTGGTACCATCT
 TCACCTGCGTGGGTATCACCCTCTCATTAGACTACAGTGGGCATCCGGCTGCCCTGTTCCAGGCCAG
 TGCCTTTGCGTTTCTGGTCCAGCCAAGGCTATCCTGGCCTTGGAGAGGTGGAAGTGTCTCCAGAAGAG
 GAGATCTACGGTAACTGGAGTATGCCCTGAACACCTCTCATATCTGGCATCCTCGGATTCGGGAGGTCC
 AGGGTGAATCATGGTGTCCAGCGTGGTAGAGGTGGTATTGGGCTGTTGGGGCTGCCTGGGGCCCTGCT
 CAGCTACATTGGACCTCTCACAGTCACCCCACTGTCTCCCTTATCGGTCTCTGTCTTTCCAAGCTGCT
 GCGCACCAGCTGGCTCCATTGGGGCATTTCGGCTTGCTCCATTCTACTGATCGTCTGTCTCCAGT
 ATCTACGCAACCTCACCTTCTGTTCCTGTTTACCGATGGGGCAAGGGTCTTACTCTCTCCGCATCCA
 GATCTTTAAGATGTTCCGATCGTGTGGCCATCATGACCGTGTGGCTACTCTGCTATGTGCTGACTCTG
 ACAGACGTGCTGCCCGCAGATCCACAGTCTACGGTTTCCAGGCTCGAAGTATGCCCGAGGGGACATCA
 TGGCTATCTCCCTGGATCCGGATCCCTACCATGTCAATGGGGCCTACCCACAGTGACCGTGGCTGC
 AGTTCTGGGAATGTTAGCGCCACACTGGCGGGCATCATCGAGTCCATCGGTGATTACTATGCCTGCGCC
 CGGTTGGCTGGAGCACCACCCCTCCAGTCCATGCTATCAACAGGGGGATTTTACCAGGAGCGTCTGCT
 GCATCATCGCTGGGCTACTGGGCACAGGCAACGGGTCCACCTCTCCAGCCCCAACATCGGGGTCTAGG
 GATTACCAAGGTGGGCAGCCGAAGAGTCGTGCAGTATGGTGCAGGTATCATGCTAATCCTGGGGCCATT
 GGCAAATTCACAGCTCTCTTCGCTCACTGCCGACCCCATCCTGGGAGGGATGTTCTGCACTCTTTTCG
 GTATGATCACCGCTGTGGGACTGTCCAATCTGCAGTTTGTGGACATGAACTCCTCCCGCAACCTCTTTGT
 ATTGGGATTCTCCATGTTCTTCGGCCTCACGCTACCCAACTACCTGGATTCCAACCCAGGTGCCATCAAC
 ACAGGCGTTCCTGAAGTGGATCAGATCCTAACTGTGCTGCTGACCACAGAGATGTTTGTGGTGGCTGTC
 TTGCTTTCATACTGGACAACACAGTACCAGGGAGCCCAGAGGAAAGAGGTCTGATACAGTGGAAAGCCGG
 GGCACACGCCAACAGTGAGACGCTGGCCAGTCTCAAGAGCTACGATTTCCCGTTCGGGATGGGCATGGTA
 AAAAGGACCACCTTTTTTAGATACATCCCATCTGCCAGTCTTACAGAGGATTCTAAGACAGAAAATC
 AGCCTGCAGTTCTAGAAGACGCTCCAGACAACACAGAACTGGGTCTGTGTACCAAGGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_017315
- Insert Size:** 1815 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_017315.2](#), [NP_059011.1](#)

RefSeq Size: 2309 bp

RefSeq ORF: 1815 bp

Locus ID: 50621

UniProt ID: [Q9WTW7](#)

Cytogenetics: 18p11

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