

Product datasheet for **MC205335**

Slc23a1 (NM_011397) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc23a1 (NM_011397) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc23a1
Synonyms:	D18Ucla2; Slc23a2; SVCT1; YSPL3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC013528
 CCCACGCGTCCGCTCAGAGATGAAAACCTCCGGAGGACCCCGGGAGCCCAAAGCAGCATGAGGTCGTGGAT
 TCAGCAGGGACTTCCACCAGGGACCGGCAGGCACCTTTGCCACGGAGCCCAAGTTTGACATGTTGTACA
 AGATTGAGGATGTGCCACCATGGTACCTGTGCATCCTGCTGGGCTTCCAGCATTACCTGACGTGCTTCAG
 TGGCACCATCGCCGTGCCCTTCTCCTGGCTGAGGCGCTGTGTGTGGGCCGTGACCAGCACATGGTCAGT
 CAGCTCATTGGTACCATCTTACCTGTGTGGGTATCACCACCTCATCCAGACTACAGTGGGCATCCGGC
 TGCCGTTGTTCCAGGCCAGTGCCTTTGCCTTTCTGGTTCCAGCCAAGTCAATCCTGGCCTTGGAGAGGTG
 GAAGTGTCTTTCAGAAGAAGAGATCTACGGTAACTGGAGTATGCCTCTCAACACCTCCCATATCTGGCAT
 CCTCGTATCCGGGAGGTCCAGGGTGCAATCATGGTGTCCAGTATGGTGGAGGTGGTGATTGGGCTGATGG
 GGCTGCCTGGGGCCCTGCTCAGCTACATTGGGCCTCTCACCGTCACCCCACTGTCTCCCTATTGGGCT
 CTCTGTTTTCAAGCTGCTGGTGACCGAGCTGGCTCTCATTGGGGTATTTCCGGCTTGCTCCATTCTCCTG
 ATAGTCTTGTCTCCAGTATCTGCGCAACCTCACCTTCTGTTACCTGTTTACCAGTGGGGCAAGGGTC
 TCACTCTTCCGAGTCCAGATCTTAAAGATGTTCCGATTGTGCTGGCCATCATGACCGTGTGGCTGCT
 CTGCTACGTGTTGACCCTGACAGATGTGCTGCCGCAGACCCACAGTCTATGGCTTCCAGGCTCGAACT
 GATGCCCGAGGGGACATCATGGCTATCTCTCCCTGGATCCGAATCCCCTATCCATGTCAGTGGGGCTAC
 CCACAGTGACTGTGGCTGCAATTTGGGGATGTTCAAGTGCACACTGGCCGGCATCATTGAGTCCATCGG
 TGATTACTATGCCTGTGCCCGTTGGCTGGAGCACCCCCCTCCAGTACATGCCATCAACAGGGGAATT
 TCACTGAAGGCATCTGCTGCATTATCGTGGGCTACTGGGCACAGGCAACGGGTCCACCTCATCCAGTC
 CCAACATTGGGGTCTAGGGATTACCAAGTGGGCAGCCGAAGAGTGTGTCAGTACGGTGCAGGTATCAT
 GCTAATCTGGGTGCCATTGGCAAATTCACAGCTCTCTTTGCCTCACTGCCAGACCCCATCTGGGAGGA
 ATGTTCTGCACCTTTTTGGTATGATCACTGCTGTGGGACTGTCCAATCTGCAGTTTGTGGACATGAACT
 CTTCTCGCAACCTTTTTGATTGGGATTCTCCATGTTCTTTGGCCTCACACTACCCAACCTACCTGGATT
 CAACCCAGGTGCTATCAACACAGGCATTCCTGAAGTGGATCAGATCCTAACTGTGCTGCTGACCACAGAG
 ATGTTTGTGGGGTGCCTTGCTTTTACTGACTGACAACACAGTGCAGGGAGCCAGAGGAAAGAGGCC
 TGATACAGTGGAAAGGCTGGAGCCACGCCAACAGTGAAGTGCAGCCAGTCTCAAGAGCTACGATTTCCC
 CTTTGGGATGGGCATGGTAAAAAGGACCACCTTTTTCAGATACATCCCCATCTGCCAGTCTTCAGAGGA
 TTTTCTAAAAAGACACAAAATCAGCCTCCAGTTCTAGAAGACTCCAGACAATATAGAACTGGGTCTG
 TGTGTACCAAGGCTGAAGCCACCTCAATGAAAGGAGGCACTGTGTGTAACAGGAAAAGAAAACATACATA
 GGAGACAGAAGACCTGAGTTGGAGATCTCAGCTTACCTATTCAAATTTCCATGGAAGCTTGAACAGAT
 CACCCTCTGTGACTCTGTTTCCATGTCAGCCCAAGTCTCCAAGTACTTAAGAGACCTGGACTGCATT
 CCTCTGTCTCATTTCACCTCCCTAAACATGAAGTCAATATAAAGAAGAAGAACTGAAGATCCTCTATGC
 TGAGTGTGATAAAAAAGAAACCTGGAGATATTCCAGGGTAGATGAAGACAGGAAGATAAAAA AAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_011397

Insert Size: 1818 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: [BC013528](#), [AAH13528](#)

RefSeq Size: 2175 bp

RefSeq ORF: 1818 bp

Locus ID: 20522

UniProt ID: [Q9Z2J0](#)

Cytogenetics: 18 19.17 cM

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]