

## Product datasheet for **SC127238**

### SLC23A2 (AK025668) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC23A2 (AK025668) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC23A2
Synonyms:	hSVCT2; NBTL1; SLC23A1; SVCT2; YSPL2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AK025668, the custom clone sequence may differ by one or more nucleotides

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TGTCGCGCGCGTCTATAATTACAAGTTTTATTCTATTTAATGTTATTGACTATAGCAGATTTTGAAA
TCAGTGTTTTCCATGTGACCCTCTTTCCTTGCATCCCTATTCTTGTCCCCACCCACTCTTCCCCCAT
CAAGAAAAGAACCAGCATTGTAAAGCTGTGGACACCATCAGGGAAGCTTGTGTAAACGGCTTTGAAGG
CCAGTAACCATTGTTGTGGTTGTGTTTTGTATTGCTTGATACCATGAAAGTGTAAATACTGTAATGCCTA
ATCTATTTATCAAACTGACTACTGGACCGGAGCCAGAAACCATGGGTCAAGTTACACGTGAATTTGTT
TTGTGAAGAAGGGAAGCTGGGGCAGGTAACACGCAGAGCCGCCACGTGGAACGGTCTGTCCGCCGCTGTG
TCCCGCTTGCCGGCTTCTGTTGCAAGTCTTGGCTTAAGGAGACTTCTGTGGTTGCCATGTCGCACGT
CCGTTAGATCTTGATTTTACAGGTGAGGGTGGTTGCCAAAGGTGATAAGAAAAGCAGCCAACAGGCTCCC
TCTCACTTAAGAGAGTTCTAATTAATAACACTAAATTCTTCTGAGAAATGACTCCTCTTGGTTTGGTTT
GAAGTTTTTTCAGTGAAGGAAAAGGCCTGAGATAGGAAGCAGTGCCTCGCTTCATGAGGTGGCACATCTT
CGGTGGCCGTTGGCCTGGTTCGAGCTTTGGTCAGCTGCGTGGTGCCTGTCTCCTGTCTCCAGCGGCAGGG
CATGGTCTTGGCAGCCTGGTGTCCACACGGTGCATTCTGTCCCCCTCGGCCCCAGGCTGGCTCAGCTC
TCCAGTGTGCGGCGTGTCTTTCAGCATTGCCATGTACCCTAGCCCCCTTCACTCTTGAAGTTTGG
GGCTTCAAGGTTTATTCTGGCAAGAACACTCGGAGCCACTGCATTGTTTTGCCAAAACTTACTGCAGA
TTAAGTAAAGAAGCTTAGATGCTAAATTACATCTAATTTTGTATGTTTTTTAAATGTGTCTTTGATGAT
ACTTTAGAAAGCACACTGGCTCGCGGTTTCCATCCCTCTTGCCTTGGGACACTCTTGAGGCTGGCAGCCCT
CCTGCAATGAGTTGCTCTCAGTTCCTTCTGTTGGATTTTGTCAACATCTCCAGTTTCTGTCTGTGAA
AAATGGGAAAAGCTGCTAAACATCCCAGAGATTGCAATCTTCTAGCTCTCCAGGTGAGCAGAAAGACCA
AATATCCAAATAAAAGCCTGAAAGCCATTGGTATCCAGGGGCACCTTCTTTCAGCTTGACTGGGCGTC
TTCCGCTGCATAACACTCAAGGTGTCTGCTCTAGTCATCCAGAAACCCACTCCCTTCTGAAGCCCCTCT
TGGGCCGGGTTGTATCAGGAGGATTCAACCCCGCTAACATGTGGGGTGCCTCTGTAGGCCCTTACACAG
GGAAGGAAGCCCTACCCTTCAACTCCTGTTGGAGTGAGAGTTTCTGTTCTGATTCCACTGTGGCCAAC
CCAATAATTCTGTCCGAGGAGGGTAAGGGAATAGGAGGTGGGGAGCAAAGAGGGCAGCCTGACTAGATG
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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">AK025668.1</a>
<b>RefSeq Size:</b>	3278 bp
<b>RefSeq ORF:</b>	3278 bp
<b>Locus ID:</b>	9962
<b>Cytogenetics:</b>	20p13
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	The absorption of vitamin C into the body and its distribution to organs requires two sodium-dependent vitamin C transporters. This gene encodes one of the two required transporters and the encoded protein accounts for tissue-specific uptake of vitamin C. Previously, this gene had an official symbol of SLC23A1. [provided by RefSeq, Jul 2008]