

Product datasheet for **SC308121**

SLC23A2 (NM_203327) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC23A2 (NM_203327) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC23A2
Synonyms:	NBTL1; SLC23A1; SVCT2; YSPL2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC308121 representing NM_203327.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGATGGGTATTGGTAAGAATACCACATCCAAATCAATGGAGGCTGGAAGTTCAACAGAAGGCAAATAC
GAAGACGAGGCAAAGCACCCAGCTTTCTCACTTTCCGGTGGTATAAATGGAGGCCACCTCCAGC
GGTGAGCAGGACAATGAGGACACTGAGCTCATGGCGATCTACACTACGGAAAACGGCATTGCAGAAAAG
AGCTCTCTCGCTGAGACCCTGGATAGCACTGGCAGTCTGGACCCACGGATCAGACATGATTTATACC
ATAGAAGATGTTCCCTCCCTGGTACCTGTGTATATTTCTGGGGCTACAGCACTACCTGACATGCTTCAGC
GGCAGCATCGCAGTGCCTTCTGTTGGCCGATGCCATGTGTGTGGGTACGACCAGTGGGCCACCAGC
CAGCTCATTGGGACCATTTTCTCTGTGTGGGAATCACTACTTTGCTACAGACAACGTTTGGATGCAGG
TTACCCCTGTTTCAGGCCAGTGCCTTTGCATTTTGGCCCTGCTCGAGCCATCTGTCTTTAGATAAA
TGGAAATGTAACACCACAGATGTTTCAGTTGCCAATGGAACAGCAGAGCTGTTGCACACAGAACACATC
TGGTATCCCCGGATCCGAGAGATCCAGGGGCCATCATCATGTCTCACTGATAGAAGTAGTCATCGGC
CTCTCGGCTGCTGGGCTCTACTGAAGTACATCGGTCCCTTGACCATTACACCCACGGTGGCCCTA
ATTGGCCTCTCTGGTTCCAGGCAGCGGGGAGAGAGCCGGGAAGCACTGGGGCATTGCCATGCTGACA
ATATTCCTAGTATTACTGTTTTCTCAATACGCCAGAAATGTTAAATTTCTCTCCCGATTATAAATCC
AAGAAAGGATGGACTGCGTACAAGTTACAGCTGTTCAAAATGTTCCCTATCATCTGGCCATCTGGTA
TCCTGGCTGCTCTGCTTCATCTTACGGTGACAGATGCTTCCCTCCCGACAGCAAAAGTATGGCTTC
TATGCTCGCACAGATGCCAGGCAAGCGTGTCTGCGCCGGTGTATCGGCATGCTCAGTCCGTGGTCCGACATC
CAGTGGGACTGCCACCCTGTCTGCGCCGGTGTATCGGCATGCTCAGTCCGTGGTCCGACATC
ATAAACAGGGGAATTTTCTGGAAGCCCTCCTGTGTTCTTGATGGCATATTTGGTACTGGGAATGGC
TCTACTTCATCCAGTCCCAACATTGGAGTTTTGGGAATTACAAAGTCCGACAGCCGCCGCTGATACAG
TGCGGAGCAGCCCTCATGCTCGCTCTGGGCATGATCGGGAAGTTCAGCGCCCTCTTTGCGTCCCTCCG
GATCCTGTGCTGGGAGCCCTGTTCTGCACGCTCTTTGGAATGATCACAGCTGTTGGCCTCTCTAACCTG
CAGTTCATTGATTTAAATTTCTCCCGAACCTCTTTGTGCTTGGATTTTCGATCTCTTTGGGCTCGTC
CTTCCAAGTTACCTCAGACAGAACCCTCTGGTCACAGGGATAACAGGAATCGATCAAGTGTGAACGTC
CTTCTCACAAGTCTATGTTTGTAGGGGCTGTGTGGCTTTATCCTGGATAACACCATCCAGGCACT
CCAGAGGAAAGAGGAATCCGGAATGGAAGAAGGGTGTGGCAAAGGGAACAAATCACTCGACGGCATG
GAGTCGTACAATTTGCCATTTGGCATGAACATTATAAAAAATACAGATGCTTCAGCTACTTACCCATC
AGCCCAACCTTTGTGGGCTACACATGGAAGGCCCTCAGGAAGAGCGACAACAGCCGGAGTTCAGATGAA
GACTCCCAGGCCACGGGATAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

Restriction Sites: SgfI-MluI
Plasmid Map: □
ACCN: NM_203327
Insert Size: 1953 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_203327.1](#)

RefSeq Size: 6971 bp

RefSeq ORF: 1953 bp

Locus ID: 9962

UniProt ID: [Q9UGH3](#)

Cytogenetics: 20p13

Protein Families: Transmembrane

MW: 70.3 kDa

Gene Summary: 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]
 Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same isoform.