

Product datasheet for **SC303853**

SLC5A3 (NM_006933) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC5A3 (NM_006933) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC5A3
Synonyms:	BCW2; SMIT; SMIT1; SMIT2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_006933 edited
 ATGAGAGCTGACTGGACACAGCAGACATTGCCATAGTGGCCCTGTATTTTATCCTGGTC
 ATGTGCATTGGTTTTTTTGGCCATGTGGAATCTAATAGAAGCACCGTGAGTGGATACTTC
 CTGGCGGGGGCGCTCTATGACCTGGGTAGCAATTGGTGCCTCTCTGTTTGTGAGCAATATT
 GGGAGTGAGCACTTCATTGGGCTGGCAGGATCTGGAGCTGCAAGTGGATTGCAGTGGGC
 GCATGGGAATTC AATGCCTTACTGCTTTTACAACCTCTGGGATGGGTTTTCATCCCAATT
 TACATCCGGTCAGGGGTATATACCATGCCTGAATACTTGTCCAAGCGATTGGTGGCCAT
 AGGATTCAGGTCTATTTTGCAGCCTTGTCTCTGATTCTCTATATTTTACCAAGCTCTCG
 GTGGATCTGTATTTCGGGTGCCCTTTTTATCCAGGAGTCTTTGGGTTGGAATCTTTATGTG
 TCTGTCATCCTGCTCATTGGCATGACTGCTTTGCTGACTGTCACCGGAGGCCCTTGTGCA
 GTGATCTACACAGACTCTGCAGGCTCTGCTCATGATCATTGGGGCACTTACACTTATG
 ATTATTAGCATAATGGAGATTGGCGGGTTTGGGAAGTTAAGAGAAGGTACATGTTGGCC
 TCACCCGATGTCACCTCCATCTTATTGACATAACAACCTTCCAACACAAATCTTGTAAAT
 GTCTCCCCTAAGAAAGAAGCCCTGAAAATGCTGCGGAATCCAACAGATGAAGATGTTCTCT
 TGGCCTGGATTCTTCTGGGCAGACCCAGCTTCAGTATGGTACTGGTGTGCTGACCAA
 GTCATCGTGCAGAGGGTCTTGCAGCCAAAACATTGCTCATGCCAAAGGCTCTACTCTT
 ATGGCTGGCTTCTTAAAGCTCCTGCCAATGTTTATCATAGTTGTCCCAGGAATGATTTC
 AGGATACTGTTTACTGATGATATAGCTTGCATCAACCCAGAGCACTGCATGCTGGTGTGT
 GGAAGCAGAGCTGGTTGCTCCAATATTGCTTACCCACGCTGGTGTGAAAGCTGGTTCTCT
 GTGGGCCCTTCGGGGTTTAAATGATGGCAGTGATGATTGCAGCTCTGATGAGTACTTAGAC
 TCTATCTTTAACAGTGCCAGTACCATATCACCCCTCGATGTGTACAACTTATCCGCAAG
 AGCGCAAGCTCCCGGGAGTTAATGATTGTGGGGAGGATATTTGTGGCATTATGGTGGTG
 ATCAGCATAGCATGGGTGCCAATCATCGTGGAGATGCAAGGAGGCCAGATGTACCTTTAC
 ATTCAGGAGGTAGCAGATTACCTGACACCCCAAGTGGCAGCCTTGTTCCTGCTGGCAATT
 TTCTGGAAGCGTGCAATGAACAAGGGGCTTTCTATGGTGAATGGCTGGCTTTGTTCTT
 GGAGCAGTCCGTTTGATACTGGCCTTTGCCTACCGTGCCCAAGATGTGACCAACCTGAT
 AATAGGCCGGGCTTCATCAAAGACATCCATTATATGATGTGGCCACAGGATTGTTTTGG
 GTCACGGGACTCATTACTGTAATTGTGAGCCTTCTCACACCACCTCCACAAAGGAACAG
 ATTCGAACCACCACCTTTTGGTCTAAGAAGAACCCTGGTGGTGAAGGAGAACTGCTCCCA
 AAAGAGGAACCATACCAATGCAAGAAAAGAGCATTCTGAGATGCAGTGAGAATAATGAG
 ACCATCAACCACATCATTCCCAACGGGAAATCTGAAGACAGCATTAAAGGGCTTCAGCCT
 GAAGATGTTAATCTGTTGGTAACCTGCAGAGAGGAGGGCAACCCAGTGGCATCCTTAGGT
 CATTACAGAGGCAGAAACACAGTTGACGCTTACTCCAATGGGCAAGCAGCTCTCATGGGT
 GAGAAAGAGAGAAAGAAAGAAACGGATGATGGAGGTCGGTACTGGAAGTTCATAGACTGG
 TTTTGTGGCTTTAAAAGTAAGAGCCTCAGCAAGAGGAGTCTCAGAGACCTGATGGAAGAG
 GAGGCTGTTTGTTTACAGATGCTAGAAGAGACTCGGCAAGTTAAAGTAATACTAAATATT
 GGACTTTTTGCTGTGTGTTCACTTGGAAATTTTCATGTTTGTGTTATTTCTCCTTATGA

Restriction Sites: Please inquire
ACCN: NM_006933
Insert Size: 2400 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_006933.2](#), [NP_008864.2](#)

RefSeq Size: 2157 bp

RefSeq ORF: 2157 bp

Locus ID: 6526

Cytogenetics: 21q22.11

Protein Families: Transmembrane