

Product datasheet for **SC303410**

SLC13A2 (NM_003984) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC13A2 (NM_003984) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC13A2
Synonyms:	NaCT; NaDC-1; NADC1; SDCT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC303410 representing NM_003984
Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCACCTGCTGGCAGGCCCTGTGGCCTATCGCTCCTACCTGATCGTGTTCCTCGTGCCATTCTCC
TGCTGCCTCTGCCATCCTCGTCCCAAGTAAGGAGGCCTACTGCGGTATGCCATCATCCTCATGGCGCT
CTTCTGGTGCCTGAGGCCCTGCCCTGGCCGTAAGTCCCTCTTCCCTTAATCCTGTTCCCTATGATG
GGCATCGTGGATGCCTCTGAGGTTGCCGTGAGTATCTTAAGGACTCCAACCTCCTGTTCTCGGGGGC
TGCTGGTGGCCATCGCGGTGGAACACTGGAACCTGCATAAACGCATCGCCCTCCGTGTCCTCATCGT
TGGGGTGGCCCTGCCCGCTAATCCTGGGCTTCATGCTGGTACGGCCCTTCTGTCCATGTGGATCAGC
AACACGGCCACCTCAGCCATGATGGTGGCCATCGCACATGCCGTCTGGACCAGCTGCACAGCTCGCAAG
CCAGCAGCAACGTCGAGGAGGGCAGCAACAACCCACCTTCGAGCTCCAGGAACCAAGTCCCCAGAAGGA
GGTGACCAAGCTTGATAATGGGCAGGCCCTCCCTGTCACGTCTGCCTCTTCGGAGGGGAGGGCACATCTC
AGCCAGAAGCATCTCACCTCACCCAGTGCATGAGCCTGTGCGTGTGCTACTCCGCCAGCATCGGGGGCA
TCGCCACGCTGACTGGCACCCGACCCAACTGGTGTGCAAGGCCAGATCAACTCGCTCTTCCCCAAAA
CGGCAACGTGGTGAACCTCGCCTCCTGGTTCAGCTTCGCCTTCCCACCATGGTCACTTGTCTGCTGCTG
GCCTGGTGTGGCTGCAGATCCTCTTCTGGGCTTCAACTCCGGAAGAACTTTGGCATTGGGAAAAAGA
TGCAGGAGCAACAGCAGGCAGCCTACTGCGTCATCCAGACCGAGCACAGGCTGCTGGGCCCATGACCTT
TGCAGAAAAGGCCATCAGCATCCTATTCGTCATCCTGGTGTGCTCTGGTTCACCCGGGAGCCGGCTTT
TTTCTTGGCTGGGCAATTTGGCTTTTCCCAATGCCAAGGGGGAGAGCATGGTGTCCGATGGGACAGTGG
CCATCTTCATCGGCATAATTATGTTTCATCATAACCCTCCAAGTTCACCCAGGCTGACCCAGGACCCAGAAA
CCCAGGGAAGCTGAAGGCCCTCTTGGCTCCTCGACTGGAAGACGGTGAACCAGAAGATGCCGTGGAAAT
ATCGTGTATTGCTGGTGGTGGCTATGCCCTGGCCAAGGGCAGTGAGCGATCGGGCCTGTGAGAGTGGC
TGGGAAACAAGCTGACCCACTGCAGAGTGTGCCAGCTCCAGCCATTGCCATCATCCTCTCCCTCCTGGT
GGCCACCTTACCGAGTGCCTAGCAACGTGGCCACCACTACGATCTTCTGCCATCCTAGCCTCCATG
GCCAGGCATCTGCCTCACCTCTCTACGTATGCTCCCTGCACTCTGGCCACCTCCCTGGCCTTCA
TGTTGCCTGTGGCCACCCGCCAATGCCATCGTCTTCTTTTCGGGGACCTCAAAGTGTGGATATGGC
CCGGGCAGGATTCTCCTCAACATCATTGGAGTCTGATCATCGCACTGGCCATCAACAGCTGGGGCATC
CCCCTCTCAGCCTGCACTCTTCCCTCCTGGGCACAGTCCAACACCACAGCCAGTGCCTGCCAAGCC
TGCCAACACCACCAACCAAGCCCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Please inquire

ACCN: NM_003984

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_003984.1](#), [NP_003975.1](#)

RefSeq Size: 1953 bp

RefSeq ORF: 1779 bp

Locus ID: 9058

UniProt ID: [Q13183](#)

Cytogenetics: 17q11.2

Protein Families: Transmembrane

Gene Summary: The protein encoded by this gene is a sodium-coupled citrate transporter that is regulated by the chaperone activity of cyclophilin b. The encoded protein may play a role in the formation of kidney stones. [provided by RefSeq, Oct 2016]

Transcript Variant: This variant (2) uses an alternate in-frame splice site in the internal coding region compared to variant 1. This results in a shorter isoform (b) compared to isoform a.