

Product datasheet for **SC327077**

SLC13A2 (NM_001145976) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC13A2 (NM_001145976) 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)



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Fully Sequenced ORF: >SC327077 representing NM_001145976.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCCACCTGCTGGCAGGCCCTGTGGCCCTATCGCTCCTACCTGATCGTGTCTTCGTGCCATTCTC
CTGCTGCCCTGCCCCATCCTCGTCCCAGTAAGGTTGCCGTCGAGTATCTTAAGGACTCCAACCTCCTG
TTCTTCGGGGGGCTGCTGGTGGCCATCGCGGTGGAACACTGGAACCTGCATAAACGCATCGCCCTCCGT
GTCCTCCTCATCGTTGGGGTGGCCCTGCCCGCTAATCCTGGGCTTCATGCTGGTCACGGCCTTCTCG
TCCATGTGGATCAGCAACACGGCCACCTCAGCCATGATGGTGCCCATCGCACATGCCGCTCTGGACCAG
CTGCACAGCTCGCAAGCCAGCAGCAACGTCGAGGAGGGCAGCAACAACCCACCTTCGAGCTCCAGGAA
CCAAGTCCCAGAAGGAGGTGACCAAGCTTGATAATGGGCAGGCCCTCCCTGTACGCTCTGCCTCTTCG
GAGGGGAGGGCACATCTCAGCCAGAAGCATCTCCACCTCACCCAGTGCATGAGCCTGTGCGTGTGTAC
TCCGCCAGCATCGGGGCATCGCCACGCTGACTGGCACCCACCCAACTGGTGTGCAAGGCCAGATC
AACTCGCTCTTCCCCAAAACGGCAACGTGGTGAACCTTCGCTCCTGGTTCAGCTTCGCCTTCCCCACC
ATGGTCATCTTGCTGCTGCTGGCCTGGTTGTGGCTGCAGATCCTCTTCTGGGCTTCAACTCCGGAAG
AACTTTGGCATTGGGGAAAAGATGCAGGAGCAACAGCAGGCAGCCTACTGCGTCATCCAGACCGAGCAC
AGGCTGCTGGGCCCATGACCTTTGAGAAAAGGCCATCAGCATCCTATTCGTCATCCTGGTGTGCTC
TGGTTCACCCGGGAGCCGGGCTTTTTTCTGGCTGGGGCAATTTGGCTTTTCCAATGCCAAGGGGGAG
AGCATGGTGTCCGATGGGACAGTGGCCATCTTCATCGGCATAATTATGTTTCATCATAACCTCCAAGTTC
CCAGGGCTGACCCAGGACCCAGAAAACCCAGGGAAGCTGAAGGCCCTCTGGCCTCCTCGACTGGAAG
ACGGTGAACCAGAAGATGCCGTGGAATATCGTGTATTGCTGGTGGTGGCTATGCCCTGGCCAAGGGC
AGTGAGCGATCGGGCCTGTCAGAGTGGCTGGGAAACAAGCTGACCCCACTGCAGAGTGTGCCAGCTCCA
GCCATTGCCATCCTCCTCCTCCTGGTGGCCACCTTACCAGTGCATGCAACGTGGCCACCACT
ACGATCTTCTGCCATCCTAGCCTCCATGGCCAGGCCATCTGCCTCCACCCTCTACGTCATGCTC
CCCTGCACTCTGGCCACCTCCCTGGCCTTCATGTTGCCTGTGGCCACCCGCCAATGCCATCGTCTTC
TCTTTCGGGGACCTCAAAGTGTGGATATGGCCCGGGCAGGATTCCTCCTCAACATATTGGAGTCTCG
ATCATCGCACTGGCCATCAACAGCTGGGGCATCCCCCTCTTCAGCCTGCACTCTTCCCCCTCTGGGCA
CAGTCCAACACCACAGCCAGTGCCTGCCAAGCCTGGCCAACACCACCACCAAGCCCCTAG
ACGGCTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001145976
- Insert Size:** 1650 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).
- 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_001145976.1](#)

RefSeq Size: 2255 bp

RefSeq ORF: 1650 bp

Locus ID: 9058

Cytogenetics: 17q11.2

Protein Families: Transmembrane

MW: 59.7 kDa

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 (3) lacks an in-frame exon and uses an alternate in-frame splice site in the 5' coding region compared to variant 1. This results in a shorter protein (isoform c) compared to isoform a.