

Product datasheet for **SC327149**

SLC13A2 (NM_001145975) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC13A2 (NM_001145975) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC13A2
Synonyms:	NaCT; NaDC-1; NADC1; SDCT1
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001145975 edited
 ATGGCCACCTGCTGGCAGGCCCTGTGGGCTATCGCTCCTACCTGATCGTGTCTTCGTG
 CCCATTCTCCTGCTGCCTCTGCCCATCCTCGTCCCCAGTAAGGAGGCCTACTGCGCGTAT
 GCCATCATCTCATGGCGCTCTTCTGGTGCAGTGGCCCTGCCCTGGCCGTCAGTCCG
 CTCTTCCCCTTAATCCTGTTCCCTATGATGGGCATCGTGGATGCCTCTGAGATCATTAG
 AGACCATTTCCATCCAGTTTCGAGAGCCCAGGGGAATGCCAGTCTGTGGGAATGTCAGTG
 ACTGCATCCCATAACCTCGGGGGCACCGTGGGAGACTCCAGGGTCTTCCGCGCTCAGC
 CATGTCTCCACCTGCCAGTTGCCGTCGAGTATCTTAAGGACTCCAACCTCCTGTTCTTC
 GGGGGGCTGCTGGTGGCCATCGCGGTGGAACACTGGAACCTGCATAAACGCATCGCCCTC
 CGTGTCTCCTCATCGTTGGGTGCGGCCTGCCCGCTAATCCTGGGCTTCATGCTGGTC
 ACGGCCTTCTGTCCATGTGGATCAGCAACACGGCCACCTCAGCCATGATGGTGGCCATC
 GCACATGCCGCTCCTGGACCAGCTGCACAGCTCGCAAGCCAGCAGCAACGTCGAGGAGGGC
 AGCAACAACCCACCTTCGAGCTCCAGGAACCAAGTCCCAGAAGGAGGTGACCAAGCTT
 GATAATGGGCAGGCCCTCCTGTACGCTGCCTCTTCGGAGGGGAGGGACATCTCAGC
 CAGAAGCATCTCCACCTACCCAGTGCATGAGCCTGTGCGTGTGCTACTCCGCCAGCATC
 GGGGGCATCGCCACGCTGACTGGCACCCACCCAACTGGTGTGCAAGGCCAGATCAAC
 TCGCTCTTCCCCAAAACGGCAACGTGGTGAACCTCGCCTCCTGGTTCAGCTTCGCCTTC
 CCCACCATGGTCACTTGTGCTGCTGGCCTGGTGTGGCTGCAGATCCTCTTCTGGGC
 TTCAACTTCCGGAAGAACTTTGGCATTGGGGAAAAGATGCAGGAGCAACAGCAGGCAGCC
 TACTGCGTCATCCAGACCAGCAGGCTGCTGGGCCCATGACCTTTCAGAAAAGGCC
 ATCAGCATCCTATTCGTATCCTGGTGTGCTCTGGTTCACCCGGGAGCCGGGCTTTTTT
 CTTGGCTGGGGCAATTTGGCTTTTCCCAATGCCAAGGGGAGAGCATGGTGTCCGATGGG
 ACAGTGGCCATCTTCATCGGCATAATTATGTTTCATCATAACCTCCAAGTTCACAGGGTG
 ACCCAGGACCCAGAAAACCCAGGGAAGCTGAAGGCCCTCTTGGCCTCCTCGACTGGAAG
 ACGGTGAACCAGAAGATGCCGTGGAATATCGTGTATTGCTGGGTGGTGGCTATGCCCTG
 GCCAAGGGCAGTGAAGATCGGGCTGTGAGAGTGGTGGGAAACAAGTGAACCCACTG
 CAGAGTGTGCCAGCTCCAGCATTGCCATCATCTCTCCCTCCTGGTGGCCACCTTACC
 GAGTGCAGTACGAACTGGCCACCCTACGATCTTCTGCCCATCCTAGCCTCCATGGCC
 CAGGCCATCTGCCTCCACCCTCTACGTCATGCTCCCTGCACTCTGGCCACCTCCCTG
 GCCTTCATGTTGCTGTGGCCACCCGCCCAATGCCATCGTCTTCTTTTCGGGGACCTC
 AAAGTGTGGATATGGCCCGGGCAGGATTCCTCCTCAACATCATTGGAGTCTGATCATC
 GCACTGGCCATCAACAGCTGGGGCATCCCCCTTTCAGCCTGCACTCTTCCCCTCCTGG
 GCACAGTCCAACACCACAGCCAGTGCCTGCCAAGCCTGGCCAACACCACACCAAGC
 CCTAG

- Restriction Sites:** Please inquire
- ACCN:** NM_001145975
- Insert Size:** 1900 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:	<ol style="list-style-type: none">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:	<u>NM_001145975.1</u> , <u>NP_001139447.1</u>
RefSeq Size:	2531 bp
RefSeq ORF:	1926 bp
Locus ID:	9058
UniProt ID:	<u>Q13183</u>
Cytogenetics:	17q11.2
Protein Families:	Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (a).</p>