

## Product datasheet for **SC103912**

### SLC13A3 (BC014931) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC13A3 (BC014931) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC13A3
Synonyms:	NADC3; SDCT2
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for BC014931, the custom clone sequence may differ by one or more nucleotides

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ACGTGGAGAAGGGGAAGTGGCACTAAGGTCCAAAGGAAGCTACATATGGGTGGTCCCTGCTACACCAGCC
TCCAAGCCTCCCAGTGCACCTTCTAGGAGACAAGCAAGGAAGGCCGCTGCTTGTTCATCCTGCTCA
TGGCGGTGACTGGTGCACGGAGGCCCTGCCGCTCTCAGTGACGGCGCTGCTGCCATCGTCTCTCCC
CTTCATGGGCATCTTGCCCTCCAACAAGGTCTGCCCCAGTACTCCTCGACACCAACTTCTCTTCCCT
AGTGGGCTGATCATGGCCAGCGCCATTGAGGAGTGAACCTGCACCGCGAATCGCCCTCAAGATCCTGA
TGCTTGTGGAGTCCAGCCGGCCAGGCTCATCCTGGGGATGATGGTGACCACCTCGTTCTTGCCATGTG
GCTGAGCAACACCGCCTCCACTGCCATGATGCTTCCCATTGCCAATGCCATCCTGAAAAGTCTTTGGC
CAGAAGGAGGTTGAAAAGGACCCAGCCAGGAGAGTGAAGAGAACACAGGAATAGAACCCAATACTTTCC
TCTCTGAGGAAAGGCTGAAACTTCAAGCTCCCCTTGTGATAAGACTTGGTCAGATAACTGAGTCTGGTCA
ATGGAATATGAGTGAAATGATGTGTGCAACTCCGGTTCTGTCCTTCTGCCGGTGGAAATGTGAATA
TGATGGCACCTGGGACCCAAAGACAGGAGCCACATCTTGAGAGATAGATGGCAGATCTGCCCTGTGGCT
TTGGATCATTTACCTCAGTGAACACAACAAGCATTATCCATGAAACCATAGGTTTTGTGTGCTAGTTCTA
GTTTTTAAAATATGAATTAATTAATACGTATCTGTTAAAACCTAAAAAAAAAAAAAAAAA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for BC014931 unedited NGGGGGTGTCAAAATTGTATACGACTCATATAGGCGGCCGCGAAAATCGGCACGAGGCCTC GTGCCGAATTCGACACGAGGGCTACTACGCCGGCCGATGGCGAGGAGCCCGCCCGGAGG CTGAGGCTCTGGCCGACGCCGGGAGCGGAGCAGCCGCTTCTTGAGCGGCTGGAGCTGG TGAAGCAGGGTGCCGAGGCGCGGTGTTCCGTGGCCGCTTCCAGGGCCGCGCGCGGTGA TCAAGCACCGCTTCCCCAAGGGCTACCGCACCCGGCGCTGGAGGCGCGGCTTGGCAGAC GGCGGACGGTGCAGGAGGCCCGGGCGCTCCTCCGCTGTCGCCGCTGGAAGGCCGCTGC TTGTTTGTATCCTGCTCATGGCGGTGACTGGTGCACGAGGCCCTGCCGCTCTCAGTG ACGGCGCTGCTGCCATCGTCTCTTCCCCTTCATGGGCATCTTGCCCTCCAACAAGGTC TGCCCCAGTACTTCTCGACACCAACTTCTCTTCTCAGTGGGCTGATCATGGCCAGC GCCATTGAGGAGTGAACCTGCACCGGCGAATCGCCCTCAAGATCCTGATGCTTGTGGA GTCCAGCCGGCCAGGCTCATCTGNGGATGATGGTGACCACCTCGTTCTTGCCATGTGG CTGAGCAACACCGNCTCCACTGCCATGATGCTTCCCATTGCCAATGCCATCTGAAAAGT CTCTTTGGCCAGAAAGGAGTTCAAAGGACCCAGCCAGGAGAGTGAAGAGAACACAGCT GCTGTGCCGAGAAACGCCTCACACTGTGCCACGAGATGCAGTTTCTGCCAGCACAGA AGCCAAGACCACCTGGGAGACAGAGTTNCACTGGATCTGCCGCTGACT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	BC014931
<b>Insert Size:</b>	4700 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">BC014931.1</a>
<b>RefSeq Size:</b>	900 bp
<b>RefSeq ORF:</b>	900 bp
<b>Locus ID:</b>	64849
<b>Cytogenetics:</b>	20q13.12
<b>Protein Families:</b>	Druggable Genome, Transmembrane

**Gene Summary:**

Mammalian sodium-dicarboxylate cotransporters transport succinate and other Krebs cycle intermediates. They fall into 2 categories based on their substrate affinity: low affinity and high affinity. Both the low- and high-affinity transporters play an important role in the handling of citrate by the kidneys. The protein encoded by this gene represents the high-affinity form. Alternatively spliced transcript variants encoding different isoforms have been found for this gene, although the full-length nature of some of them have not been characterized yet. [provided by RefSeq, Jul 2008]