

## Product datasheet for **SC327630**

### SLC25A13 (NM\_001160210) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A13 (NM_001160210) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC25A13
Synonyms:	ARALAR2; CITRIN; CTLN2; NICCD
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001160210, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCCGCCAAGGTGGCTTTAACCAAGAGAGCAGATCCAGCTGAGCTTAGAACAAATA
TTTTTGAAGTATGCAAGCATTGAGAAAAACGGTGAATTTTTTCATGTCCCCCAATGACTTT
GTCACCTGATACTTGAACATTTTTGGAGAAAGCCAGCCTAATCCAAGACTGTGGAACCT
TTAAGTGGAGTGGTGGATCAGACCAAAGATGGATTAATATCTTTTCAAGAATTTGTTGCC
TTTGAATCTGTCTGTGTGCCCTGATGCTTTGTTTATGGTAGCCTTTCAGCTGTTTGAC
AAAGCTGGCAAAGGAGAAGTAACTTTTGAGGATGTTAAGCAAGTTTTTGGACAGACCACA
ATTCATCAACATATTCCATTTAACTGGGATTGAGAATTTGTGCAACTACATTTTGAAAAA
GAAAGAAAAAGACACCTGACATATGCGGAATTTACTCAGTTTTTATTGAAATACAACCTG
GAGCACGCAAAGCAAGCCTTTGTGCAACGGGACAATGCTAGGACTGGGAGAGTCACAGCC
ATCGACTCCGAGACATCATGGTCACCATCCGCCCCATGTCTTGACTCCTTTTGTAGAA
GAATGTCTAGTAGCTGCTGCTGGAGGTACCACATCCCATCAAGTAGTTTCTCCTATTTT
AATGGATTTAATTCGCTCCTTAAACAACATGGAACCTATTAGAAAGATCTATAGCACTCTG
GCTGGCACCAGGAAAGATGTTGAAGTGACTAAGGAGGAGTTTGTCTGGCAGCTCAGAAA
TTTGGTCAAGTTACACCCATGGAAGTTGACATCTTGTTCAGTTAGCAGATTTATATGAG
CCAAGGGGACGTATGACCTTAGCAGACATTGAACGGATTGCTCCTCTGGAAGAGGGAAC
CTGCCCTTTAACTTGGCTGAGGCCCAGAGGCAGCAGAAGGCCCTCAGGTGATTTCAGCTCGA
CCAGTTCTTCTACAAGTTGCAGAGTCGGCCTACAGGTTTGGTCTGGGTTCTGTTGCTGGA
GCTGTTGGAGCCACTGCTGTGTATCCTATCGATCTTGTAAAACTCGAATGCAGAACCAA
CGATCAACTGGCTCTTTTGTGGGAGAACTCATGTATAAAAAACAGCTTTGACTGTTTTAAG
AAAGTGTACGCTATGAAGGCTTCTTTGGACTGTATAGAGGTCTGTTGCCACAGTTATTG
GGAGTTGCCCCAGAGAAGGCCATAAAACTTACAGTGAACGATTTTGTGAGGGATAAATTT
ATGCACAAAGATGGTTCGGTCCCACTTGCAGCAGAAATTTGCTGGAGGCTGCGCTGGA
GGCTCCCAGGTGATTTTCAAAATCCTTTAGAAATCGTCAAGATCCGTTTGAAGTGGA
GGAGAAATCACCCTGCTCGAGTCAGTGTCTGTCTGTCTGCTGCGGGACCTGGGGTTT
TTTGGGATCTACAAGGTGCCAAAGCATGCTTTCTGCGGGACATTCCTTTCTCGGCCATC
TACTTTCCGTGCTATGCTCATGTGAAGGCTTCTTTGCAATGAAGATGGGCAGTTAGC
CCAGGAAGCCTGCTTCTAGCTGGTGCATAGCTGGTATGCCTGCAGCATCTTTAGTGACC
CCTGCTGATGTTATCAAGACGAGATTACAGGTGGCTGCCCGGGCTGGCCAAACCCTTAC
AGCGGAGTGATAGACTGCTTTAGAAAGATACTGCGTGAAGAAGGACCAAAAGCTCTGTGG
AAGGGAGCTGGTCTCGTATTTTCGATCCTCACCCAGTTTGGTGAACCTTTGCTGACT
TACGAATTGCTACAGCGATGGTTCTACATTGATTTTGGAGGAGTAAAACCCATGGGATCA
GAGCCAGTTTCTAAATCCAGGATCAACCTGCCTGCCCCGAATCCTGATCACGTTGGGGGC
TACAAACTGGCAGTTGCTACATTTGCAGGGATTGAAAACAAATTTGGACTTTACCTACCT
CTCTTCAAGCCATCAGTATCTACCTCAAAGGCTATTGGTGGAGGCCCA

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**Restriction Sites:** Please inquire

**ACCN:** NM\_001160210

**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).

<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>	<u>NM_001160210.1, NP_001153682.1</u>
<b>RefSeq Size:</b>	3207 bp
<b>RefSeq ORF:</b>	2031 bp
<b>Locus ID:</b>	10165
<b>UniProt ID:</b>	<u>Q9UJS0</u>
<b>Cytogenetics:</b>	7q21.3
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>This gene is a member of the mitochondrial carrier family. The encoded protein contains four EF-hand Ca(2+) binding motifs in the N-terminal domain, and localizes to mitochondria. The protein catalyzes the exchange of aspartate for glutamate and a proton across the inner mitochondrial membrane, and is stimulated by calcium on the external side of the inner mitochondrial membrane. Mutations in this gene result in citrullinemia, type II. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2009]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).</p>