

## Product datasheet for **SC305390**

### Sodium bicarbonate transporter like protein 11 (SLC4A11) (NM\_032034) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sodium bicarbonate transporter like protein 11 (SLC4A11) (NM_032034) Human Untagged Clone
Tag:	Tag Free
Symbol:	Sodium bicarbonate transporter like protein 11
Synonyms:	BTR1; CDPD1; CHED; CHED2; dj794I6.2; NABC1
Vector:	<u><a href="#">pCMV6 series</a></u>



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_032034, the custom clone sequence may differ by one or more nucleotides

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ATGAGCCAGGTCGGGGGGCGGGGAGACAGGTGCACACAGGAGGTCCAGGGCTTGGTCCAT
GGGGCTGGTGACCTTTCTGCTTCCCTTGCAGAAAACCTCTCCACCATGTCGCAGAATGGA
TACTTCGAGGATTCAAGCTACTACAAGTGTGACACAGATGACACCTTGAAGCCCGAGAG
GAGATCCTGGGGGATGAGGCCTTCGACACTGCCAACTCCTCCATCGTGTCTGGCGAGAGT
ATCCGTTTTTTTTGTCAATGTCAACCTTGAGATGCAGGCCACCAACTGAGAATGAAGCG
ACTTCCGGTGGCTGTGTCTCCTGCACACCTCCGAAAGTACCTGAAGTTAAAGAACTTC
AAGGAAGAGATCCGTGCGCACCCGACCTAGATGGCTTCTGGCGCAGGCCAGCATCGTC
CTGAACGAGACGGCCACCTCCCTGGATAACGTGCTGCGGACCATGCTTCGCCGCTTCGCC
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ACCGATGCCGGGGCACCCATGCCGGGTAAGTCCACCTGCTGTCAGATACCATCCAAGGG
GTCACCGCCACAGTGACAGGGGTGCGGTACCAGCAGTCTGGCTCTGCATCATCTGTACC
ATGAAGGCCCTACAGAAGCGGCACGTGTGCATCAGCCGCCTGGTTCGCCACAGAAGTGG
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TACGCGCTCTTCTCGGGCAGCCATTGGTGATTCTGCTGACCACCGCCCTGGCGCTC
TACATCCAGTGATTCTGTGCATCTGTGATGACTATGACCTGGACTTCAACTCCTTCTAC
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ACGGAGCTGCCCTCGGCCACACTCAGGCCAGGGCACCCTGCTCAGCCTCCTCATC
ATGCTGGGCACGCTCTGGCTGGGTACACCCTCTACCAATTCAAGAAGAGCCCCTACCTG
CACCCCTGCGTGCGAGAGATCCTGTCCGACTGCGCCCTGCCCATCGCGGTGCTCGCCTT
TCCCTCATCAGCTCCCATGGCTTCCGGGAAATCGAGATGAGCAAGTTCGCTACAACCC
AGCGAGAGCCCCTTTCGATGGCGCAGATCCAGTCCGTGTCCCTGAGGGCCGTACGCGGT
GCCATGGGCCTCGGCTTCTGCTGTCCATGCTCTTTCATCGAGCAGAAGTGGTGGCC
GCCTTGGTGAATGCACCGGAGAACAGGCTGGTGAAGGGCACTGCCTACCACTGGGACCTC
CTGCTCCTCGCCATCATCAACACAGGGCTGTCTCTGTTTGGGCTGCCTTGGATCCATGCC
GCCTACCCCACTCCCGCTGCACGTGCGAGCCCTGGCCTTAGTGGAGGAGCGTGTGGAG
AACGGACACATCTATGACACGATTGTGAACGTGAAGGAGACGCGGCTGACCTCGTGGGC
GCCAGCGTCTGTGGGCTGTCCCTGTTGCTGCTGCCGTCGCCCTTCAAGTGGATCCCC
AAGCCCGTCTATGGCCTTCTCTACATCGCGCTCACCTCCCTCGATGGCAACCAG
CTCGTCCAGCGCTGGCCCTGCTGCTCAAGGAGCAGACTGCGTACCCCCGACACTAC
ATCCGGAGGGTGGCCAGAGGAAGATCCACTACTTACGGGCTGCAGGTGCTTCAGCTG
CTGCTGTGTGCCTTCGGCATGAGCTCCCTGCCCTACATGAAGATGATCTTCCCTC
ATCATGATCGCCATGATCCCATCCGCTATATCCTGCTGCCCGAATCATTGAAGCCAAG
TACTTGGATGTCATGGACGCTGAGCACAGGCCTTGA

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**Restriction Sites:** Please inquire

**ACCN:** NM\_032034

<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>OTI Annotation:</b>	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.
<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>	<u><a href="#">NM_032034.1</a></u> , <u><a href="#">NP_114423.1</a></u>
<b>RefSeq Size:</b>	3138 bp
<b>RefSeq ORF:</b>	2676 bp
<b>Locus ID:</b>	83959
<b>UniProt ID:</b>	<u><a href="#">Q8NBS3</a></u>
<b>Cytogenetics:</b>	20p13
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>This gene encodes a voltage-regulated, electrogenic sodium-coupled borate cotransporter that is essential for borate homeostasis, cell growth and cell proliferation. Mutations in this gene have been associated with a number of endothelial corneal dystrophies including recessive corneal endothelial dystrophy 2, corneal dystrophy and perceptive deafness, and Fuchs endothelial corneal dystrophy. Multiple transcript variants encoding different isoforms have been described. [provided by RefSeq, Mar 2010]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and 5' coding region compared to variant 1. The resulting protein (isoform 2) has a distinct N-terminus and is shorter compared to isoform 1.</p>