

Product datasheet for **SC329192**

Sodium bicarbonate transporter like protein 11 (SLC4A11) (NM_001174089) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sodium bicarbonate transporter like protein 11 (SLC4A11) (NM_001174089) Human Untagged Clone
Tag:	Tag Free
Symbol:	Sodium bicarbonate transporter like protein 11
Synonyms:	BTR1; CDPD1; CHED; CHED2; dj794I6.2; NABC1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001174089, the custom clone sequence may differ by one or more nucleotides

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ATGGCCGCGGCCACCAGGCGCGTGTCCATCTGCAGCCGTGCGAAAACCTCTCCACCATG
TCGCAGAAATGGATACTTCGAGGATTCAAGCTACTACAAGTGTGACACAGATGACACCTTC
GAAGCCCAGAGAGAGATCCTGGGGATGAGGCCTTCGACACTGCCAACTCCTCCATCGTG
TCTGGCGAGAGTATCCGTTTTTTTGTCAATGTCAACCTTGAGATGCAGGCCACCAACT
GAGAATGAAGCGACTCCGGTGGCTGTGTCTCCTGCACACCTCCCGAAAGTACCTGAAG
TTAAAGAACTTCAAGGAAGAGATCCGTGCGCACCGGACCTAGATGGCTTCTGGCGCAG
GCCAGCATCGTCTGAACGAGACGGCCACCTCCCTGGATAACGTGCTGCGGACCATGCTT
CGCCGCTTCGCCAGGGACCCTGACAACAATGAGCCCAACTGCAACCTGGACCTGCTCATG
GCCATGCTCTTACCAGTGCCTGGGGCACCCTGCGGGGTAAAGTCCACCTGCTGTCAGAT
ACCATCAAGGGGTACCGCCACAGTGCAGGGGTGCGGTACCAGCAGTCGTGGCTCTGC
ATCATCTGTACCATGAAGGCCCTACAGAAGCGGCACGTGTGCATCAGCCGCTGGTTCCG
CCACAGAACTGGGGGAGAATTCCTGTGAGGTTTCGTTTCGTATCCTGGTGTGGCCCA
CCCAAGATGAAAAGCACTAAGACTGCGATGGAGGTGGCGGCACGTTTGCCACCATGTTT
TCGGATATCGCCTTCGCGAGAAGCTCCTGGAGACCCGCACAGAGGAGGAATCAAGGAG
GCCTTGGTGCATCAGAGACAGCTGCTCACCATGGTGGCCACGGTCCAGTGGCGCCGAGA
ACGAAGGAACGCAGCACAGTCTCCCTCCCTGCCACAGACACCCAGAGCCCCAAAGTGC
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TACCCCTTGGACTTCACTGATGGCATTATTGGGAAAAACAAGGCTGTGGGCAAATACATC
ACCACCACCTGTTCTCTACTTCGCTGCCTCCTGCCACCATCGCTTTCGGGTCTCTC
AATGACGAGAACACAGACGGGGCCATCGACGTGCAGAAGACCATAGCCGGGCAGAGCATC
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CCCTTGGCGCTCTACATCCAGGTGATTCTGTGCATCTGTGATGACTATGACCTGGACTTC
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CTGCCAGCCCCACGGAGCTGCCCTCGGCCACACTCAGGCCAGGCGACCGCCGTGCTC
AGCCTCCTCATATGCTGGGCACGCTCTGGCTGGGCTACACCCTCTACCAATTCAAGAAG
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GTGCTCGCCTTCTCCCTCATCAGCTCCCATGGCTTCCGGGAAATCGAGATGAGCAAGTTC
CGCTACAACCCACAGGAGAGCCCTTTGCGATGGCGCAGATCCAGTCCGCTGTCCTGAGG
GCCGTACGCGGTGCCATGGGCTCGGCTTCTGCTGTCCATGCTCTTCTCATCGAGCAG
AACTTGGTGGCCGCTTGGTGAATGCACCGGAGAACAGGCTGGTGAAGGGCACTGCCTAC
CACTGGGACCTCCTGCTCCTCGCCATCATCAACACAGGGCTGTCTCTGTTGGGCTGCCT
TGGATCCATGCCGCTACCCCACTCCCGCTGCACGTGCGAGCCCTGGCCTTAGTGGAG
GAGCGTGTGGAGAACGGACACATCTATGACACGATTGTGAACGTGAAGGAGACCGGGTG
ACCTCGCTGGGCGCCAGGCTCCTGGTGGGCTGTCCCTGTTGCTGCTGCCGTCCCGCTT
CAGTGGATCCCCAAGCCGCTGCTCTATGGCCTTCTCCTTACATCGCGCTCACCTCCCTC
GATGGCAACCAGCTCGTCCAGCGCTGGCCCTGCTGCTCAAGGAGCAGACTGCGTACCC
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GTGCTTACAGTGTGCTGCTGTGTGCCTTCGGCATGAGCTCCCTGCCCTACATGAAGATG
ATCTTTCCCTCATCATGATCGCCATGATCCCCATCCGCTATATCCTGCTGCCCGAATC
ATTGAAGCCAAGTACTTGGATGTCATGGACGCTGAGCACAGGCCCTGA

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Restriction Sites: Please inquire
ACCN: NM_001174089

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_001174089.1</u> , <u>NP_001167560.1</u>
RefSeq Size:	3118 bp
RefSeq ORF:	2628 bp
Locus ID:	83959
UniProt ID:	<u>Q8NBS3</u>
Cytogenetics:	20p13
Protein Families:	Transmembrane
Gene Summary:	<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 (3) differs in the 5' UTR and 5' coding region compared to variant 1. The resulting protein (isoform 3) has a distinct N-terminus and is shorter compared to isoform 1.</p>