

Product datasheet for **SC329292**

SLC4A10 (NM_001178015) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC4A10 (NM_001178015) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC4A10
Synonyms:	NBCn2; NCBE
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001178015, the custom clone sequence may differ by one or more nucleotides

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ATGGAGATTAAGACCAGGGAGCCAAATGGAGCCGCTGCTGACGAGAAATGATGAA
GAAGCAGTTGTGGATAGAGGTGGAACCTGTTCTATTCTCAAACACACTTTGAGAAAGAA
GATTTAGAAGGTCATCGAACACTATTTATTGGAGTACATGTGCCCTTGGGAGGAAGAAAA
AGCCATCGACGTCACAGGCATCGTGGTCATAAACACAGAAAGAGAGACAGAGAAAGAGAT
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TTTATTCTTGAACCGAGGATGATGACGAGGAACACATTCCTCATGACCTTTTCACAGAA
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TTGAAGTTTGAAGAAGATGTGGAAGATGGAGGAGAAAGGTGGAGCAAGCCTTATGTGGCT
ACTCTTTCATTGCACAGCTTGTGTTGAATTGAGAAGTTGTATTCTGAATGGAAGTGTGTTG
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AGCTCAGGTCAGCTGAATGAAGATGTACGCCATAGGGTCCATGAGGCATTGATGAAACAG
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TTCTTGGATCGAACAGTAGTTGCGTTTGTGAGGTTGTCTCCAGCTGTATTGCTTCAAGGA
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GGTCAACAGTACCATGAGATTGGCAGATCAATTGCAACCCTAATGACAGATGAGGTATTT
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CTGGATCAGGTTACTGTTCTCCCTCCTGGAGAATGGGATCCAAGCATTGAAATAGAGCCT
CCCAAAAATGTTCTTCCAGGAGAAGAGGAAGATTCTGCTGTACCAAAATGGAACAGCA
GCTCATGGGAAGCAGAGCCCCACGGAGGACATAGTGGACCTGAACTCCAGCGAACTGGA
AGGATTTTTGGGGACTTATTTAGATATCAAAGAAAAGCTCCATACTTCTGGAGTGAC

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TTCAGAGATGCTTTCAGCCTGCAGTGCTTAGCATCTTTTCTATTTCTCTACTGCGCGTGT
 ATGTCTCCTGTCATCACGTTTGGAGGACTGCTGGGAGAAGCAACTGAAGGGCGTATAAGT
 GCAATTGAATCTCTCTTTGGAGCATCCATGACCGGGATAGCCTATTCTCTCTTTGGTGG
 CAGCCTTTACCATATTAGGCAGTACAGGACCAGTTTTGGTGTTTGAAAAGATTTTGT
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 TATGTTCCAGATGTTCTATTTTGGTCTGTGATCCTGTTCTTTTCCACAGTTACTCTGTCA
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 CCCAAATTTCTCGGCATTGCGGAGCAAAGGTTACTGGGCTTATGATTTTATTCTTATG
 GGTTTCATCAGTCTTTATGACCAGTATTCTGAAGTTTATCCCATGCCAGTGTATATGGA
 GTGTTTTTTATATGGGTGCTTCTCTAAAGGGAATTCAGTTCTTTGATAGGATAAAG
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 CGAAAAGTGCATCTTTCACAATTATTCAGATGAGTTGCCTTGGCCTTTTGTGGATAATA
 AAAGTTTCAAGAGCTGCTATTGTCTTTCCATGATGGTGTAGCCCTGGTATTTGTAAGA
 AAGTTGATGGACTTGTGTTTACGAAGCGGAACTCAGCTGGTTGGATGATTTGATGCC
 GAGAGTAAGAAAAAGAACTGGAAGATGCTGAAAAAGAAGAACAAGTATGCTAGCT
 ATGGAAGATGAGGGCACAGTACAACCTCCATTGGAAGGGCACTATAGAGATGATCCATCT
 GTGATCAATATATCTGATGAAATGTCAAAGACTGCCTTGTGGAGGAACCTTCTGATTACT
 GCCGATAACTCAAAGATAAGGAGTCAAGCTTTCTTCCAAAAGCTCCCCTTCTCTAA

Restriction Sites:

Please inquire

ACCN:

NM_001178015

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:	NM_001178015.1 , NP_001171486.1
RefSeq Size:	5671 bp
RefSeq ORF:	3357 bp
Locus ID:	57282
UniProt ID:	Q6U841
Cytogenetics:	2q24.2
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>This gene belongs to a small family of sodium-coupled bicarbonate transporters (NCBTs) that regulate the intracellular pH of neurons, the secretion of bicarbonate ions across the choroid plexus, and the pH of the brain extracellular fluid. The protein encoded by this gene was initially identified as a sodium-driven chloride bicarbonate exchanger (NCBE) though there is now evidence that its sodium/bicarbonate cotransport activity is independent of any chloride ion countertransport under physiological conditions. This gene is now classified as a member A10 of the SLC4 family of transmembrane solute carriers. Alternative splicing results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, May 2010]</p> <p>Transcript Variant: This variant (1) encodes isoform 1.</p>