

## Product datasheet for **SC316439**

### SLC4A4 (NM\_001098484) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SLC4A4 (NM\_001098484) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** SLC4A4  
**Synonyms:** hhNMC; HNBC1; KNBC; kNBC1; NBC1; NBC2; NBCe1-A; pNBC; SLC4A5  
**Vector:** pCMV6 series  
**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001098484, the custom clone sequence may differ by one or more nucleotides

```
ATGGAGGATGAAGCTGTCTGGACAGAGGGCTTCCTTCTCAAGCATGTGTGTGATGAA
GAAGAAGTAGAAGGCCACCATACCATTTACATCGGAGTCCATGTGCCGAAGAGTTACAGG
AGAAGGAGACGTCACAAGAGAAAGACAGGGCACAAAGAAAAGAAGGAAAAGGAGAGAATC
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CCTGATAATGGTAGCCAGCCATGACCCATAGGAATCTGACTTCTCCAGTCTGAATGAC
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GCCTTTGTTAGGCTACAGCAGGCTGTCTGCTGGGTGCCCTGACTGAAGTTCCTGTGCC
ACAAGGTTCTTGTTCATTCTCTTAGGTCCTAAGGGGAAAGCCAAGTCTACCACGAGATT
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GACAAAAGAAAGAATATGTACTCAGGTGGAGAGAATGTTGATGAATGGGGATACGCC
CATGATGGAGGTCACGGAGGAGGAGACATGGGGATTGTGAAGAATTGCAGCGAACTGGA
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GTAACATAATGCTATCACTTTTGGAGGACTGCTTGGGGATGCCACTGACAACATGCAGGGC
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CAACCACTCACTATTCTGAGCAGCACCGGACCTGTCTAGTTTTTGGAGGCTTCTATTT
AATTTTCAGCAAGGACAATAATTTTACTGATTTTGGAGTTTTCGCCTTTGGATTGGCCTGTGG
TCCGCCTTCTATGTCTCATTGTTGGTAGCCACTGATGCCAGCTTCTTGGTTCAACTCTC
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ACACGTTTCACGGAGGAGGGCTTTTCCTCTCTGATTAGCTTCATCTTTATCTATGATGCT  
TTCAAGAAGATGATCAAGCTTGCAGATTACTACCCCATCAACTCCAACCTCAAAGTGGGC  
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AATACTACCTTTGACTGGGCATTTTGTGCGAAGAAGGAGTGTTCAAAATACGGAGGAAAC  
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ACCTTGTGTTTTATTCTGACTGGTCTGTGAGTCTTTATGGCTCCCATCTTGAAGTTTATA  
CCCATGCCTGACTCTATGGTGTGTTCCCTGTATATGGGAGTAGCATCCCTTAATGGTGTG  
CAGTTCATGGATCGTCTGAAGCTGCTTCTGATGCCTCTGAAGCATCAGCCTGACTTCATC  
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CTGGCCCTGCTTTGGATCCTCAAGTCAACGGTGGCTGCTATCATTTTTCCAGTAATGATC  
TTGGCACTTGTAGCTGTGAGAAAAGGCATGGACTACCTCTTCTCCAGCATGACCTCAGC  
AAAAAGAAGAAGGGAAGTCTGGACAGTGACAATGATGATTCTGACTGCCATACTCAGAA  
AAAGTTCCAAGTATTAATTTCCAATGGACATCATGGAACAGCAACCTTTCTAAGCGAT  
AGCAAACCTTCTGACAGAGAAAGATCACCAACATTCTTGAACGCCACACATCATGC

<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001098484
<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>	<a href="#">NM_001098484.1</a> , <a href="#">NP_001091954.1</a>
<b>RefSeq Size:</b>	7688 bp

RefSeq ORF:	3240 bp
Locus ID:	8671
UniProt ID:	<u>Q9Y6R1</u>
Cytogenetics:	4q13.3
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>This gene encodes a sodium bicarbonate cotransporter (NBC) involved in the regulation of bicarbonate secretion and absorption and intracellular pH. Mutations in this gene are associated with proximal renal tubular acidosis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]</p> <p>Transcript Variant: This variant (1) represents the longest transcript.</p>