

## Product datasheet for **SC332486**

### ACCN2 (ASIC1) (NM\_001256830) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ACCN2 (ASIC1) (NM\_001256830) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ACCN2  
**Synonyms:** ACCN2; ASIC; BNaC2  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC332486 representing NM\_001256830.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCCATCCAGATCTTCTGCTCCATGTCATTCTCCTCTGGAGAGGAAGCCCCAGGGCCCTTGGGAGAT
ATTTGGGGTCCCCACCACCATCAGCAGCAGCAGGACATCTCAGAATCGGAAGAGGAGGAAGAAGAGAAG
GAAAAGGAGGCAGTGAGGAAGGAGGCCAGTGAGGGGCATTACCCATGGACTTGGTGGCCTTTGCCAAC
AGCTGCACCCTCCATGGACCAACCACATTTTTGTGGAGGGGGTCCAGGGCCAAGGCAGGTGCTGTGG
GCGGTGGCCTTTGCTGCTGGCACTGGGTGCCTTCTGTGCCAGGTAGGGGACCGCCTTGTATTACCTC
AGCTACCCACACGTGACCCTTCTAAACGAAGTGGCCACCACGGAGCTGGCCTTCCCGGCAGTCACCCTC
TGCAACACTAATGCTGTGCGGCTGTCCCAGCTCAGCTACCTGACTTGTCTTATTTGGCCCCATGCCTG
GGACTGGATGAAAGTGATGACCCCGGGTGCCTCGCTCCACCGGGCCCTGAGGCCCTTCTCTGGGGAG
CCCTTTAACCTGCACCGCTTCTACAATCGCTCCTGCCACCGGCTGGAGGACATGCTGCTCTATTGCTCC
TACCAAGGGGGACCCTGCGGCCCTCACAACCTTCTCAGTGGTCTTACACGCTATGGAAAGTGCTACACG
TTCAACTCGGGCCGAGATGGGCGGCCGCGGCTGAAGACCATGAAGGGTGGGACGGGCAATGGGCTGGAA
ATCATGCTGGACATCCAGCAGGACGAGTACCTGCCTGTGTGGGGGAGACTGACGAGACGCTCCTTCGAA
GCAGGCATCAAAGTGCAGATCCATAGTCAGGATGAACCTCCTTTCATCGACCAGCTGGGCTTTGGCGTG
GCCCCAGGCTTCCAGACCTTTGTGGCCTGCCAGGAGCAGCGGCTCATCTACCTGCCCCACCCTGGGGC
ACCTGCAAAGCTGTTACCATGGACTCGGATTTGGATTTCTTCGACTCCTACAGCATCACTGCCTGCCGC
ATCGACTGTGAGACGCGCTACCTGGTGGAGAAGTCAACTGCCGCATGGTGCACATGCCAGGGGATGCC
CCATACTGTACTCCAGAGCAGTACAAGGAGTGTGCAGATCCTGCTCTGGACTTCTGGTGGAGAAGGAC
CAGGAGTACTGCGTGTGTGAAATGCCTTGAACCTGACCCGCTATGGCAAAGAGCTGCCATGGTCAAG
ATCCCCAGCAAAGCCTCAGCCAAGTACCTGGCCAAGAAGTTCAACAAATCTGAGCAATACATAGGGGAG
AACATCCTGGTGTGGACATTTCTTTGAAGTCTCAACTATGAGACCATTGAACAGAAGAAGGCCAT
GAGATTGCAGGGCTCCTGGGTGACATCGGGGCCAGATGGGCTGTTTCATCGGGGCCAGCATCCTCAGG
GTGCTGGAGCTCTTTGACTACGCTACGAGGTCATTAAGCACAAGCTGTGCCGACGAGGAAAATGCCAG
AAGGAGGCCAAAAGGAGCAGTGCAGGACAAGGGCGTGGCCCTCAGCCTGGACGACGTCAAAAGACACAAC
CCGTGCGAGAGCCTTCGGGGCCACCCTGCCGGGATGACATACGCTGCCAACATCCTACCTCACCATCCG
GCCCGAGGCAGTTTCGAGGACTTACCTGCTGA
  
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**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001256830



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<b>Insert Size:</b>	1689 bp
<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>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_001256830.1</a>
<b>RefSeq Size:</b>	3207 bp
<b>RefSeq ORF:</b>	1689 bp
<b>Locus ID:</b>	41
<b>UniProt ID:</b>	<a href="#">P78348</a>
<b>Cytogenetics:</b>	12q13.12
<b>Protein Families:</b>	Druggable Genome, Ion Channels: Other
<b>MW:</b>	62.7 kDa
<b>Gene Summary:</b>	<p>This gene encodes a member of the acid-sensing ion channel (ASIC) family of proteins, which are part of the degenerin/epithelial sodium channel (DEG/ENaC) superfamily. Members of the ASIC family are sensitive to amiloride and function in neurotransmission. The encoded proteins function in learning, pain transduction, touch sensation, and development of memory and fear. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2012]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. This variant also uses an alternate, in-frame splice site in the 3' coding region compared to variant 1. The encoded isoform (c) has a distinct N-terminus and is shorter than isoform a.</p>