

Product datasheet for **SC122197**

ACCN4 (ASIC4) (NM_018674) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACCN4 (ASIC4) (NM_018674) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACCN4
Synonyms:	ACCN4; BNAC4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_018674 edited
 GGGCTCCGGAGCACATGCTGAGCGGAGCGGCTGGGGCTGCGCGGCGTGGCGGAGCAGCGC
 TCGCTCCCTCGCTCACTCGCTCGCTCGCAGGGACACACGAGGGGCTGACAGCTGTGCTG
 GTGCTGATAAGGGAAGCCACAAGGAGACGATCGAGGAGAGAGACAAGCGGCAGCAGAGGC
 AGCAGCGGCAGAGGCAGCACCAGGGCTGCGGAGCTGCTGGGAGTGGGAGTGAATCCCCCA
 CGCTCGGGCCCCACCCTGTCCCTGTCTCTTCCCGCTTGCCCTGAGTTTAGAAGAGCAGC
 CCTGCCACCACTGCCACTCGGGAGGGCACCAGGGCTGCTGGCTAGGGAGGGACAGGGCA
 GGGAGGCTCTGGCCAGTCCCAGCAGCCGGGACAGATGCCGATCGAGATTGTGTGCAAAA
 TCAAATTTGCTGAGGAGGATGCGAAACCAAGGAGAAGGAGGCAGGGGATGAGCAGAGCC
 TCCTCGGGGCTGTTGCCCTGGAGCAGCCCCGAGACCTGGCCACCTTTGCCAGACCA
 GCACCCTGCATGGACTGGGCCGGGCTGTGGCCAGGCCCCACGGACTGCGCAGAACCC
 TGTGGGCACTGGCCCTACTCACCTCGCTGGCTGCCTTCTGTACCAGGCGGCTGGCTGG
 CCCGGGCTACCTGACCCGGCTCACCTGGTGGCAATGGACCCGCTGCCCCAGCCCCAG
 TGGCGGGCTTCCCGGCTGTACCCTCTGCAATATCAACCGCTTCCGGCATTCCGGACTCA
 GCGATGCCGACATCTTCCACCTGGCCAATCTGACAGGGCTGCCCCCAAAGACCGGGATG
 GGCACCGTGGCGCTGGCCTGCGCTACCCAGAGCCTGACATGGTAGACATCCTCAACCGCA
 CTGGCCACCAGCTCGCCGACATGCTTAAGAGCTGCAACTTCAGTGGGCATCACTGCTCCG
 CCAGCAACTTCTGTGGTCTATACTCGCTATGGGAAGTGTACACCTTCAACGCGGACC
 CGCGGAGCTCGCTGCCAGCCGGCAGGGGGCATGGGCAGTGGCCTGGAGATCATGCTGG
 ACATCCAGCAGGAGGAGTACCTGCCATCTGGAGGGAGACAAATGAGACGTGCTTTGAGG
 CAGGTATTCGGGTGCAGATCCACAGCCAGGAGGAGCCGCCCTACATCCACCAGCTGGGGT
 TCGGGGTGTCCCCAGGCTTCCAGACCTTGTGTCTGCCAGGAACAGCGGCTGACCTACC
 TGCCCCAGCCCTGGGGCAACTGCCGCGCAGAGAGTGAAGTCAAGGAGCCTGAGCTTCCAGG
 GCTACTCGGCCTACAGTGTGTCTGCTGCGGCTGCGCTGTGAAAAGGAGGCCGTGCTTC
 AGCGCTGCCACTGCCGATGGTGCACATGCCAGACTCCCTGGGTGGGGGCCCTGAGGGCC
 CGTGCTTCTGCCCAACCCCTGCAACCTGACACGCTATGGGAAAGAGATCTCCATGGTCA
 GGATCCCCAACAGGGGCTCAGCCCGGTACCTGGCGAGGAAGTACAACCGCAACGAGACCT
 ACATACGGGAGAACTTCTGGTCTAGATGTCTTCTTTGAGGCCCTGACCTCTGAAGCCA
 TGGAGCAGCGAGCAGCCTATGGCCTGTCAGCCCTGCTGGGAGACCTCGGGGGACAGATGG
 GCCTGTTCAATGGGGCCAGCATCCTCACGTTGCTGGAGATCCTCGACTACATCTATGAGG
 GTCTCTGGGATCGACTGAAGCGGTATGGAGGCGTCCCAAGACCCCTGCGGACCTCCA
 CTGGGGGATCTCCACTTTGGGGCTTCCAGGAGCTGAAGGAACAGAGTCCCTGCCCGAGCC
 TGGGCCGAGCGGAGGGTGGGGGGTCCAGAGTCTGCTCCCAATCACCACCACCCCCACG
 GTCCCCAGGAGGTCTCTTTGAAGATTTTGTCTGCTAGGACGGTGTGACTGAAAGGA
 CCCAGGAGTCTGGGACCCCTCCTGGGATCCCCAGCACATCTCCTGCTCCTGGGAGAGGC
 CTGGGGGCGGTGCTCACTGGGAGGGCCAGGACTCAGTTCTGCTCTATCCTCCCTGCC
 CTGATGTCAGCTGCTTTGCACAAAGGTCCTTCTGTCCACACCCCTTATCCCCAGGCTGG
 TGCCCCGGGAGGGCTGGAGACCAGGCCATGGGCCCTCACGGAGAGGAAGGGAAGGAAGGA
 GAGGGAGGGGGAGGATAGAGCCCATCCCAGCCGGGAGGGGGAGCCCTCTGTACATTTGT
 AAATATTTAGGGAAGCCGGGTGGGGGAGGGGATACAGATGTAGAAGGTGGGTAGGGCT
 ACAGGGGTGGGTGATTTAGGGACAGCCAGGGTCCAGCCCAATGTCAGCAGGATAGGGA
 GAGCCCCAGGACTCAGGAGTGTGGGCTGGTCTACTTCTGCCCTCTCCAGGCCACGC
 TCCCTCTTGGCAGGGGGAGAGGATGGCCAGCAGGCTGGCCAGCTCCAGTTCCCCC
 TGCACCAGCCCCACCCCTAGAGTCCCTTCTATAGGGAGGGGGCAGGAGACCTTCCAGACT
 TCGGCTGAGCTTGGAGGGTGGGAAGGGAGCCTTCTCAGTCTCTCCTCCAGTCTGAT
 TTTATAAAGTGTGACGAGATTGGGAATAAAGAGGCATAAAGAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_018674 unedited</p> <pre> GTCCAAATTTTGTAAACGACTCATATAGGGCGGCCGATTCCCAGGATATCGTCGACCC ACGCGTCCGGGGCTCCGGNACACATGCTGAGCGGAGCGGCTGGGGCTGCGCGGCGTGGCG GAGCAGCGCTCGCTCCCTCGCTCACTCGCTCGCTCGCAGGGACACACGCAGGGGCTGACA GCTGTGCTGGTGTGATAAGGGAAGCCACAAGGAGACGATCGAGGAGAGAGACAAGCGGC AGCAGAGGCAGCAGCGGCAGAGGCAGACCAGGGCTGCGGAGCTGCTGGGAGTGGGAGTG ACTCCCCACCTCGGGCCCCACCCTGTCCCTGTCTCTTCCCCTTGCCTGAGTTTGTAG AAGAGCAGCCGCTGCCACCACTGCCACTCGGGAGGGCACCAAGGCTGCTGGCTAGGGAGG GACAGGGCAGGGAGGCTCTGGCCAGTCCCAGCAGCCGGGACAGATGCCGATCGAGATTG TGTGCAAATCAAATTTGCTGAGGAGGATGCGAAACCAAGGAGAAGGAGGCAGGGGATG AGCAGAGCCTCCTCGGGGCTGTTGCCCTGGAGCAGCCCCGAGACCTGGCCACCTTTG CCAGCACCAGCACCTGCATGGACTGGCCGGGCTGTGGCCANGCCCCACGGACTGC GCAGAACCCTGTGGGACTGGCCCTACTCACCTCGCTGGCTGCCTTCTGTACCANGCGG CTGGCCTGGCCCCGNGCTACCTGACCCGGCCTCACCTGGTGGCAATGGACCCGCTGCCCC AGCCCCAGTGGCGGGCTTCCCAGCTGTACCCTCTGGCATATCAACCGCTTCGGGCAATTT CGCACTCAGCGATGCGGACATCTTNCACCTGGCCAATCTGACAGGGCTGCCCCCAAAGA CCGGGATGGGCACCTGCGGCTTGGCCTGCG </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_018674 unedited</p> <pre> AGNAAAGCACTGGGNNAGGTCACAGGGATGCCACCCGGGCATCTGTTCCAGAACAGCTA TGACCGCGGCCGCCCTTTTTTTTTTTTTTTTTTTTCTTTATGCCTTTTATCCCAATCTCGTCA GCACTTTATAAAATCAGACTGGAGGGAGAGAGGACTGAGAAGGCTCCCTTCCCACCTCC AAGCTCAGCCGAAGTCTGGAAGTCTCCTGCCCTCCCTATAGAAGGGACTCTAGGGGT GGGGCTGGTGCAGGGGAACTGGGAGCTGGGCCAGGCCTGCTGGGCCATCCTCTCCCCCT GCCAAGAGGGGAGCTGGGCTGGAGAGGGGCAGGAAGTAGGACCAGCCAGCACTCCTGA GTCCTGGGGCTCTCCCTATCCTGCTGACATTGGGGCTGGGACCCTGGCTGTCCCTAAATC ACCCACCCTGTAGCCCTACCCACCTTCTACATCTGTATCCCCTCCCCCACCCGGCTTT CCCTAAATATTTACAAATGTACAGAGGGCTCCCCCTCCCCGGCTGGGATGGGCTCTATCC TCCCCCTCCCTCCTTCCCTTCCCTTCCCTCCTCCTGAGGGCCCATGGCCTGGTCTCCAGC CCTCCCCGGGCACCAGCCTGGGATAAGGGGTGTGGACAAGAAGGACCTTTGTGCAAAGC AGCTGACATCANGGCAGGGGAGGATGAGAGCAGGAAGTCTGCTGGCCCTCCCAGTGAG CACCGCCCCAGGCCTCTCCCAGGACAGGAGAATGTGCTGGGGATCCCAGGAGGGTCCC AGACTCCTGGGTCTTTCAAGTACAGCACCGCTCCTAGCAAGCAAATCTTCAAGAGACCT CCTGGGGACCTGGGGTGGTGGGTGAA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_018674
Insert Size:	2800 bp
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).
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_018674.3 , NP_061144.2
RefSeq Size:	2754 bp
RefSeq ORF:	2001 bp
Locus ID:	55515
UniProt ID:	Q96FT7
Cytogenetics:	2q35
Protein Families:	Druggable Genome, Ion Channels: Other
Gene Summary:	<p>This gene belongs to the superfamily of acid-sensing ion channels, which are proton-gated, amiloride-sensitive sodium channels. These channels have been implicated in synaptic transmission, pain perception as well as mechanoperception. This gene is predominantly expressed in the pituitary gland, and was considered a candidate for paroxysmal dystonic choreoathetosis (PDC), a movement disorder, however, no correlation was found between mutations in this gene and PDC. [provided by RefSeq, Feb 2012]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>