

Product datasheet for **SC308728**

ASIC3 (NM_020322) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ASIC3 (NM_020322) Human Untagged Clone
Tag:	Tag Free
Symbol:	ASIC3
Synonyms:	ACCN3; DRASIC; SLNAC1; TNaC1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_020322 edited
 ATGAAGCCACCTCAGGCCAGAGGAGGCCCGCGGCCAGCCTCGGACATCCGCGTGTTCC
 GCCAGCAACTGCTCGATGCACGGGCTGGGCCACGTCTTCGGGCCAGGCAGCCTGAGCCTG
 CGCCGGGGGATGTGGGCAGCGCCGTGGTCCTGTCACTGGCCACCTTCTCTACCAGGTG
 GCTGAGAGGGTGCCTACTACAGGGAGTCCACCACCAGACTGCCCTGGATGAGCGAGAA
 AGCCACCGGCTCATCTTCCCGGCTGTCAACCTGTGCAACATCAACCCACTGCGCCGCTCG
 CGCCTAACGCCCAACGACCTGCACTGGGCTGGGCTGCGCTGCTGGCCCTGGATCCCGCA
 GAGCAGCCCGCCTTCTGCGCGCCCTGGGCCGGCCCTGCACCGCCCGGCTTCATGCC
 AGTCCACCTTTGACATGGCGCAACTCTATGCCCGTGCTGGGCACTCCCTGGATGACATG
 CTGCTGGACTGTCGCTTCCGTGGCCAACCTTGTGGGCCTGAGAACTTACCACGATCTTC
 ACCCGGATGGGAAAGTGCTACACATTTAACTCTGGCGCTGATGGGGCAGAGCTGCTCACC
 ACTACTAGGGGTGGCATGGGCAATGGGCTGGACATCATGCTGGACGTGCAGCAGGAGGAA
 TATCTACCTGTGTGGAGGACAATGAGGAGACCCGTTTGGGTGGGGATCCGAGTGCAG
 ATCCACAGCCAGGAGGAGCCGCCATCATCGATCAGCTGGGCTTGGGGGTGCCCCGGGC
 TACCAGACCTTTGTTTCTTGCCAGCAGCAGCTGAGCTTCTGCCACCGCCCTGGGGC
 GATTGCAGTTCAGCATCTCTGAACCCCAACTATGAGCCAGAGCCCTCTGATCCCCTAGGC
 TCCCCAGCCCCAGCCCCAGCCCTCCCTATACCCTTATGGGGTGTGCGCTGGCCTGCGAA
 ACCCGCTACGTGGCTCGGAAGTGCAGGCTGCCGAATGGTGTACATGCCAGGCGACGTGCCA
 GTGTGCAGCCCCAGCAGTACAAGAACTGTGCCACCCGGCCATAGATGCCATGCTTCGC
 AAGGACTCGTGCCTGCCCAACCCGTGCGCCAGCAGCGCTACGCCAAGGAGCTCTCC
 ATGGTGGGATCCCGAGCCGCGCCGCGCGCTTCTGGCCGGAAGCTCAACCGCAGC
 GAGCCCTACATCGCGGAGAAGCTGCTGGCCCTGGACATCTTCTTGGGCCCTCAACTAT
 GAGACCGTGGAGCAGAAGAAGGCTATGAGATGTCAGAGCTGCTTGGTACATTGGGGGC
 CAGATGGGGCTGTTTCATCGGGGCCAGCCTGCTCACCATCCTCGAGATCCTAGACTACCTC
 TGTGAGGTGTTCCGAGACAAGGTCTGGGATATTTCTGGAACCGACAGCACTCCCAAAGG
 CACTCCAGCACCAATCTGACCTCCACCCTCCCTGTGCCGTACCAAGACTCTCTCCGC
 CTCCCACCGCACCTGCTACCTTGTACACAGCTCTAGACCTGCTGTGTGCTCCTCGGAG
 CCCCAGCCTGACATCCTGGACATGCCTAGCCTGCACGTAGCTTTTCCGTCTTACCCCAA
 ATAAAGTCCTAA

Restriction Sites: Please inquire

ACCN: NM_020322

Insert Size: 2400 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).

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_020322.1 , NP_064718.1
RefSeq Size:	1671 bp
RefSeq ORF:	1632 bp
Locus ID:	9311
UniProt ID:	Q9UHC3
Cytogenetics:	7q36.1
Protein Families:	Druggable Genome, Ion Channels: Other
Gene Summary:	<p>This gene encodes a member of the degenerin/epithelial sodium channel (DEG/ENaC) superfamily. The members of this family are amiloride-sensitive sodium channels that contain intracellular N and C termini, two hydrophobic transmembrane regions, and a large extracellular loop, which has many cysteine residues with conserved spacing. The member encoded by this gene is an acid sensor and may play an important role in the detection of lasting pH changes. In addition, a heteromeric association between this member and acid-sensing (proton-gated) ion channel 2 has been observed as proton-gated channels sensitive to gadolinium. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2012]</p> <p>Transcript Variant: This variant (3) lacks an exon and uses an alternate splice site in the 3' coding region, compared to variant 2. The resulting protein (isoform c) has a shorter and distinct C-terminus, compared to isoform b.</p>