

Product datasheet for **MC219049**

Asic2 (NM_007384) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asic2 (NM_007384) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Asic2
Synonyms:	Accn1; ACIC2; BNaC1; BNaC1a; BNC1; Mdeg
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219049 representing NM_007384
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCCGGAGCGCGGAGCCCGCTGCCGGCAGCCGCTCAGCGGCCCGGACGCTTCCGTATGGCCC
 GCGAGCAGCCGGCGCCCGCGCGGTGGCGGCAGCTAGGCAGCCCGGGGGGACCGGAGCGCGATCGGGA
 GCTGCAGGGGCCAGGGTTCGCCCGCAGGGGGCGGCCGCTCCTGAGTCGCACTAAATTGCACGGGCTGCGG
 CACATGTGCGCGGGGCGCACGGCGCGGGAGGCTCTTTCCAGCGCGGGCGCTGTGGGTGCTGGCCTTCT
 GCACGTCCCTTGCTTGTGTTGCTCCTGGTCTCGAACCCGCTGCTACTGGCTCAGTTTCCCGTCACA
 CACGCGAGTGCACCGGAGTGGAGCCGACGTCGCCGTTCCCGCTGTCACCGTGTGCAACAACAACCCC
 CTGCGCTTCCCGCGCCTCTCAAGGGGGACCTCTACTACGCGGGCCACTGGCTAGGACTGCTGCTGCCCA
 ACCGCACCGCGCGCCCGCTGGTCAGCGAGCTGTCGGGGGCGACGAGCCGCGCAGACAGTGGTCCGCAA
 GCTGGCCGACTTCCGCTCTTCTGCCCGCGCCACTTCGAGGGCATCAGCGCTGCCTTCATGGACCGT
 CTGGGCCACAGCTGGAGGACATGCTGCTCTCCTGCAAGTACCGGGGCGAGCTCTGTGGCCGCACTAACT
 TCTCCTCAGTGTTTACAAAATATGGGAAGTGTACATGTTTAACTCAGGCAGGATGGCAAGCCTCTGCT
 CACCACGGTCAAGGGGGGACGGGCAACGGGCTGGAGATCATGCTGGACATTCAGCAAGATGAGTACCTG
 CCCATCTGGGGAGAGACAGAGGAAACAAGTGTGAAAGCAGGAGTGAAGTTTCCAGACCTTCGTGGCCACAAGA
 AGCCACCTTTCATCCAAGAGCTGGGCTTTGGGGTGGTCCGGGGTTCAGACCTTCGTGGCCACAACAAGA
 GCAGAGGCTCACATATCTGCCCCCGCTGGGGGAGTCCGGTCTCAGAGATGGGACTCGACTTCTTT
 CCTGTTTACAGCATCACAGCCTGTCGGATCGACTGTGAGACCCGCTACATCGTGGAGAAGTGAAGTCC
 GCATGGTCCACATGCCAGGGGATGCCCTTTCTGCACCCCTGAGCAGCACAAGGAGTGTGCAGAGCCAGC
 CCTCGGCTTACTGGCAGAAAAGGACAGCAATTACTGTCTCTGCAGGACACCCTGCAACCTGACCCGCTAC
 AACAAAGAGCTCTCCATGGTAAAGATCCCAGCAAGACGTGAGCAAGTACCTGGAGAAGAAATTTAACA
 AATCGGAAAAATATATCTCCGAGAACATTTCTGTTCTGGATATATTTTTGAGGCGCTCAATTACGAGAC
 AATTGAACAGAAGAAGCGTATGAAGTTGCTGCCTTACTTGGTGACATTGGTGGTCAAATGGGATTGTT
 ATTGGTGTAGTATCCTTACAATACTAGAGCTCTTTGATTACATTTACGAGCTGATCAAAGAGAAGCTAT
 TAGACCTGCTGGCAAAGAAGAAGGAAGGGAGCCATGATGAGAACATGAGCACCTGCGACACAATGCC
 AAACCACTCCGAAACCATCAGCCACACTGTGAACGTGCCCTGCAGACAGCTTTGGGCACCCTGGAGGAG
 ATTGCCTGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_007384

Insert Size: 1692 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:

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_007384.3](#), [NP_031410.1](#)

RefSeq Size: 3024 bp

RefSeq ORF: 1692 bp

Locus ID: 11418

UniProt ID: [Q925H0](#)

Cytogenetics: 11 48.43 cM

Gene Summary: Cation channel with high affinity for sodium, which is gated by extracellular protons and inhibited by the diuretic amiloride. Also permeable for Li(+) and K(+). Generates a biphasic current with a fast inactivating and a slow sustained phase. Heteromeric channel assembly seems to modulate.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (MDEG2) is the longer transcript and encodes the longer isoform (MDEG2). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.