

Product datasheet for **MC217635**

Asic3 (NM_183000) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asic3 (NM_183000) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Asic3
Synonyms:	Accn3; AW742291; DRASIC; SLNAC1; TNAC1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217635 representing NM_183000
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAACCTCCCTCAGGACTGGAGGAGGCCAGCGGCACAGGCCTCAGACATCCGGGTGTTCCGCCAACA
 GCTGCACGATGCATGGTTTGGGCCACATCTTTGGCCCTGGAGGCCTGACCCTGCGCCGTGGGCTGTGGC
 CACAGCTGACTCCTGTCGCTGGCGCCTTCTCTACCAGGTGGCTGAGCGGGTTCGCTACTATGGGGAG
 TTCCACCATAAGACCACCCTGGATGAGCGTGAGAGCCACCAGTTACCTCCCAGCTGCTACTTTGTGTA
 ACATCAATCCCCTGCGCCGCTCACGCCTCACACCCAATGACTTGCCTGGGCCGGAACGGCACTGCTGGG
 TCTGGACCCTGCTGAACATGCTGCCTACCTTCGTGCCCTGGGCCAGCCCCCTGCACCACCTGGCTTCATG
 CCCAGTCCGACTTTTGACATGGCACAACCTACGCCAGAGCCGGCCACTCCCTTGAGGACATGTTGCTGG
 ACTGCCGATACCGTGGCCAGCCCTGTGGACCTGAGAACTCACAGTGATTTTCACTCGAATGGGGCAATG
 CTACACCTTCAACTCTGGTGGCCAGGGGCGAGCTGCTCACCCTCCTAAGGGCGGTGCTGGCAATGGA
 CTGGAGATTATGCTGGATGTACAGCAGGAGGAGTATCTGCCATCTGGAAGGACATGGAAGAGACCCCAT
 TTGAGGTGGGGATCCGAGTGCAGATCCACGGCCAGGAGGAACCCCTGCCATTGACCAGCTGGGCTTCGG
 TGCTGCCCCAGGCCACCAGACTTTTGTGTCTGCCAGCAACAGCAACTGAGTTTCTGCCACCACCTGG
 GGTGACTGCAATACCGCATCTGTGGATCCCGACTTTGATCCAGAGCCCTCTGATCCCCTGGGTTCCCTTA
 GCTCCAGCCCTCCTTATAGCTTAATAGGGTGTGCGCTGGCCTGTGAGTACGCTATGTGGCTCGGAAGTG
 CGGATGTCGAATGATGCATATGCCTGAAACTCCCCAGTGTGCAGCCCCAGCAGTACAAGGACTGTGCC
 AGCCCAGCTCTGGACGCTATGCTGCGAAAGGACACTTGTGTCTGTCCCAACCCGTGCGCCACTACACGCT
 ATGCCAAGGAGCTCTCCATGGTGGGATTCACAGCCGCGCTTCAGCTCGCTACCTGGCCGAAAATACAA
 CCGTAGCGAGACTTACATCACGGAGAATGTACTGGTTCTGGATATCTTCTTTGAAGCCCTCAACTATGAG
 GCCGTGGAACAAAAGGCAGCTTATGAAGTGTGGAGTTGCTGGGAGACATTGGGGGACAGATGGGACTGT
 TTATCGGAGCCAGCCTGCTTACCATCCTCGAGATCCTCGACTACCTCTGTGAGGTTTTTCAAGACAGAGT
 CCTGGGGTACTTCTGGAACAGAAGGAGCTCTCAAAGGCGCTCTGGCAACACTCTGCTCCAGGAAGAGTTG
 AATGGGCATCGAACACATGTTCCCATCTCAGCCTAGGCCCCAGGCCTCCTACCGCTCCCAGTGTGTCA
 CCAAGACTCGTGCCTCCACCGTACCTGTTACCTCGTACAAGGCT**CTAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_183000

Insert Size: 1593 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_183000.2](#), [NP_892045.2](#)

RefSeq Size: 1978 bp

RefSeq ORF: 1593 bp

Locus ID: 171209

UniProt ID: [Q6X1Y6](#)

Cytogenetics: 5 A3

Gene Summary: Cation channel with high affinity for sodium, which is gated by extracellular protons and inhibited by the diuretic amiloride. Generates a biphasic current with a fast inactivating and a slow sustained phase. In sensory neurons is proposed to mediate the pain induced by acidosis that occurs in ischemic, damaged or inflamed tissue. May be involved in hyperalgesia. May play a role in mechanoreception. Heteromeric channel assembly seems to modulate channel properties.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).