

Product datasheet for **MC218643**

Asic4 (NM_183022) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asic4 (NM_183022) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Asic4
Synonyms:	Accn4; BNAC4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC218643 representing NM_183022
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGATCGAGATTGTGTGCAAAATCAAATTTGCTGAGGAGGATGCAAAACCCAAGGAGAAGGAGGCAG
 GGGATGAACAGAGCCTCCTGGGGGCTGCTCAGGGGCCAGCAGCCCTCGGGACCTGGCCACCTTTGCCAG
 CACCAGCACTCTGCATGGGCTGGGCCGGCCCTGTGGCCCTGGCCCCATGGACTGCGCAGAACCCCTGTGG
 GCACTGGCCCTACTCACCTCACTGGCTGCCTTTCTGTACCAGGCAGCCAGCCTGGCCAGGGGCTACCTGA
 CCCGGCCTCACCTGGTAGCCATGGACCCTGCTGCCCCAGCCCCAGTGGCGGGTTTTCCGGCTGTACCCT
 CTGCAACATCAACCGCTCCGGCACTCGGCACTCAGCGATGCTGATATCTCCACCTGGCCAATCTGACA
 GGGCTGCCCCCAAGACCGGGACGGGCACCGTGCAGCTGGCCTTCGCTATCCAGAGCCTGACATGGTAG
 ACATCCTCAACCGCACTGGCCACCAGCTTGTGACATGCTCAAGAGCTGCAACTTCAGTGGGCACCACTG
 CTCGCCAGCAACTTCTCTGTGGTCTATACTCGCTATGGGAAGTGTACACCTTTAATGCAGATCCTCAG
 AGTTCAGTGCCAGTAGGGCAGGCGGCATGGGTAGTGGCCTGGAGATCATGCTAGACATCCAGCAGGAGG
 AATACCTACCCATATGGAGGGAGACAAACGAGACGTCATTTCGAGGCAGGGATCCGGGTGCAGATCCACAG
 CCAGGAGGAGCCGCCCTACATCCACCAGCTGGGGTTTGGCGTGTCCCCAGGCTTCCAGACTTTTGTGTCC
 TGCCAGGAACAGCGGCTAACTTATCTGCCCCAGCCTTGGGGCAACTGCCGGGCGAAAGCGAGCTCAGGG
 AGCCTGAGCTTCAGGGCTACTCAGCCTATAGTGTGTCTGCCTGCCGACTGCGCTGTGAGAAGGAGGCCGT
 GCTTCAGCGCTGCCACTGCCGGATGGTGACATGCCAGGCAACGAGACCTCTGCCACCAAAATATCTAC
 ATTGAATGTGCCGACCACACACTGGACTCCCTTGGTGGGGCTCCGAGGGCCCATGCTTCTGCCCTACAC
 CCTGCAACCTGACTCGTTACGGCAAAGAGATCTCCATGGTCAAGATCCCCAACAGGGGCTCAGCCAGATA
 CCTGGCAAGGAAGTACAACCGCAATGAGACCTATAAAGGGAGAACTTCTTGGTCTGGATGTCTTTTTTC
 GAAGCCCTAACTTCTGAAGCCATGGAACAGCAAGCCGCCTATGGCCTGTACGCCCTGCTGGGGACCTTG
 GGGGACAGATGGGCTGTTCAATGGGGTAGCATCCTCACCTTGTGGAGATCCTTGACTACATCTATGA
 GGTCTCTGGGATCGGCTCAAGAGGGTGTGGCGACGGCCCAAGACCCCACTGCGGACATCCACGGGGGC
 ATCTCCACTCTGGGGCTGCAGGAGCTGAAGGAACAGAGTCCCTGTCCAAGCCGGGGCCGTGCTGAGGGTG
 GGGGGCTAGCAGCCTGTTCCCAACCATACCACCTCACGGCCCCCAGGAAGCCTCTTGAAGACTT
 TGCTTGC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_183022

Insert Size: 1620 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_183022.3](#), [NP_898843.1](#)

RefSeq Size: 2650 bp

RefSeq ORF: 1620 bp

Locus ID: 241118

UniProt ID: [Q7TNS7](#)

Cytogenetics: 1 C4

Gene Summary: Probable cation channel with high affinity for sodium.[UniProtKB/Swiss-Prot Function]