

## Product datasheet for **RN210373**

### Asic4 (NM\_022234) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Asic4 (NM_022234) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Asic4
Synonyms:	Accn4; Spasic
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN210373 representing NM\_022234  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCGATCGAGATTGTGTGCAAAATCAAATTTGCTGAGGAGGATGCAAAACCCAAGGAGAAGGAGGCAG  
 GGGATGAGCAGAGCCTCCTGGGGGCTGCTCAGGGGCCAGCAGCCCTCGGGACCTGGCTACCTTTGCCAG  
 CACCAGTACTCTGCATGGGCTGGGCCGGCCCTGTGGCCAGGCCCCATGGACTGCGCAGAACCCCTGTGG  
 TACTGGCCCTACTCACCTCACTGGCTGCCTTCTGTACCAGGCAGCCAGCCTGGCCAGGGGCTACCTGA  
 CCCGGCCTCACCTGGTAGCCATGGACCCTGCTGCCCCAGCCCCAGTGGCGGGCTTCCGGCTGTACCCT  
 CTGCAACATCAACCGCTCCGGCATTGGCACTCAGCGATGCTGATATCTCCACCTGGCCAATCTGACA  
 GGGCTGCCCCCAAGACCGGGATGGGCACCGTGCAGCTGGCCTTCGCTACCCAGAGCCTGACATGGTAG  
 ACATCCTCAACCGCACTGGCCACCAGCTTGTGACATGCTCAAGAGCTGCAACTTCAGTGGGACCACCTG  
 CTCGCCAGCAACTTCTGTGGTCTATACTCGCTATGAAAAGTGTACACCTTCAATGCAGATCCTCAG  
 AGTTCAGTGCCAGCAGGGCAGGCGGCATGGGTAGTGGCCTGGAGATCATGCTAGACATCCAGCAGGAGG  
 AATACCTACCCATATGGAGGGAGACAAATGAGACATCATTGAGGCAGGGATCCGGGTGCAGATCCACAG  
 CCAGGAGGAGCCTCCCTACATCCACCAGCTGGGGTTCGGTGTGTCCCCAGGCTTCCAGACTTTTGTGTCC  
 TGCCAGGAACAGCGGCTAACTTATCTGCCCCAGCCTTGGGGCAACTGCCGGGCGAAAGCAAGCTCAGGG  
 AGCCTGAGCTTCAGGGCTACTCAGCCTATAGTGTGTCTGCCTGCCGACTGCGCTGTGAGAAGGAGGCCGT  
 GCTTCAGCGCTGCCACTGCCGGATGGTGACATGCCAGGCAATGAGACCATCTGCCCGCAAATATCTAC  
 ATTGAATGTGCCGACCACACACTGGACTCCCTGGGTGGGGCTCTGAGGGCCCATGCTTCTGCCCTACAC  
 CCTGCAACCTGACTCGTTACGGCAAAGAGATCTCCATGGTCAAGATCCCCAACAGGGGCTGCCCCAGGTA  
 CCTGGCGAGGAAGTACAACCGCAATGAGACCTACATAAGGGAAAACCTTCTGGTCCCTGGATGTCTTCTTT  
 GAGGCCCTAACCTCTGAAGCCATGGAACAGCGAGCTGCCTATGGTCTGTGAGCCTTGTGGGGACCTTG  
 GGGGACAGATGGGCTGTTCAATGGGGTAGCATCCTCACCTTGTGGAGATCCTTGACTACATCTATGA  
 GGTCTCTGGGATCGACTCAAGAGGGTGTGGCGACGGCCCAAGACCCCACTTAGGACGTCCACTGGGGG  
 ATCTCCACTTTGGGGCTGCAGGAACTGAAGGAACAGAGTCCCTGTCCAAATCGAGGCCGTGCTGAGGGT  
 GTGGGGCTAGCAACCTGCTTCCAACCATACCACCCCAAGGCCCCCAAGGAAGCCTCTTGAAGACTT  
 TGCTTGC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_022234

**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\\_022234.2](#), [NP\\_071570.2](#)

**RefSeq Size:** 2628 bp

**RefSeq ORF:** 1620 bp

**Locus ID:** 63882

**UniProt ID:** [Q9JHS6](#)

**Cytogenetics:** 9q33

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