

## Product datasheet for **RN210785**

### Asic5 (NM\_022227) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Asic5 (NM_022227) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Asic5
Synonyms:	Accn5; Blinac; Inac
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN210785 representing NM\_022227  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGAACATACTGAGAAATCAAAGGGCCCGCGAGAAGGACTCTTAGGAAAGATAAGACGTTACCTCT  
CAAAGAGACCACTGCCATCTCCAAGTACCGGAAGAAGTTTGATCATGACTTTGCCATCTCCAATCCTT  
TCATGGGATACATAATATTGCCAGAACCAGAACAAGTTTCGAAAAGGTGATCTGGCTGTCTGTGGTGCTG  
GGCTCTGTCTCGCTCTTGGTGTGGCAAATCTACAGTCGCTTGGTCAATTATTCATGTGGCCAACGACAA  
CATCTATAGAAGTTCAGTATGTGGAGAAAATTGAGTTCGCGCTGTGACATTCTGTAACCTGAACAGATT  
TCAAACAGAAGCAGTATCCAGATTTGGCATCATTTTCTTCTATGGGACATAGTCTCAAAGTCTCCGC  
CTTCAGGAAATCAGTGGCAACAACACTGGCTCTCCAGAGGCCTTAGATTTTGTGCAAGTACCGAAACT  
TCAGCATTACAGAGTTTGTAAAGAACAATGGTTTTTATCTCAATCATGACTTTGGTGCAGTGTGAGTT  
CTTTGGAAAAACATGTGATCCAAAGGATTTCAAACACGCTTTACTGAATATGGGAATTGCTTCACTTTC  
AACTATGGCGAGAATGTCCAAAGCAAGAACAAGTGAAGTGTCTGGAAGAGGCTTGAAGCTGTGCTTG  
ATGTCCATCAGGAGGAATTCACGGACAACCCAGTCCCTGGTTTTGCTGATGCCGGGGTCACTTTGTTCAT  
TCACTCACCGAAGAAGGAGCCCCAGTTCGATGGCTTGGTTTTGCTTCTCCTGTGGGGATGCATGCACGG  
GTGACCATCCGCCAAGTGAAGACCATCCACCAGGAGTACCCATGGGGAGAATGCAATCCTGACATCAAGT  
TGAGGAACCTTACCACCTACAGCACGTATGGTTGTCTGAAGGAGTGCAAAGCCAAGCACATCCAAAGGCT  
GTGTGGATGTTTGCCTTCTGCTTCCAGGAAATGGTGTAGAGTGTGACCTACTAAAATACTACAAGTGT  
GTGCTCCCATCCTTGACCACATCGAGCGTAAAGGGCTGTGCACAATGGGAACACACAACCTCCAGCTGCC  
CCGTGCCATGCGAAGAAACAGAATACCCTGCTACAATTGCTTATTCGACTTTCCCAAGTCAAAGAGCAAC  
AAAATTTCTTGCCAAGAAATTGAATCAAAGCCAAGAATATATCCGGGAGAATCTTGTGAACATTGAAATA  
AACTATAGCGACTTAAACTATAAGATAACACAGCAACAAAAGGCAGTGAAGTGTGCCCGAGTTACTTGCAG  
ATGTTGGAGGTCAGCTGGGACTATTTGCGGAGCTAGTTTGATTACAATTATAGAGATTATTGAATATCT  
ATTCACCAGTTTCTACTGGGTATTCATTTTCTTTTGTGAAAATACTTGAATGATCCAGCGGACTTCT  
CCACCTCAGACAGTTAG

ACGCGTACGCGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_022227

**Insert Size:** 1488 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\\_022227.1](#), [NP\\_071563.1](#)

**RefSeq Size:** 1887 bp

**RefSeq ORF:** 1488 bp

**Locus ID:** 63866

**UniProt ID:** [Q9R0W5](#)

**Cytogenetics:** 2q34

**Gene Summary:** may play a critical role in fluid and electrolyte homeostasis [RGD, Feb 2006]