

## Product datasheet for **RR210785**

### Asic5 (NM\_022227) Rat Tagged ORF Clone

#### Product data:

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



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**ORF Nucleotide Sequence:**

>RR210785 representing NM\_022227  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAACATACTGAGAAATCAAAGGGCCCGCGAGAAGGACTCTTAGGAAAGATAAGACGTTACCTCT  
 CAAAGAGACCACTGCCATCTCCAAGTACCGGAAGAAGTTTGATCATGACTTTGCCATCTCCAAGTCTCT  
 TCATGGGATACATAATATTGCCAGAACCAGAACAAGTTTCGAAAGGTGATCTGGCTGTCTGTGGTGCTG  
 GGCTCTGTCTCGCTCTTGGTGTGGCAAATCTACAGTCGCTTGGTCAATTATTCATGTGGCCAACGACAA  
 CATCTATAGAAGTTCAGTATGTGGAGAAAATTGAGTTCCTGGCTGTGACATTCTGTAAGTGAACAGATT  
 TCAAACAGAAGCAGTATCCAGATTTGGCATCATTTTCTTCTTATGGGACATAGTCTCAAAGTCTCCGC  
 CTTCAGGAAATCAGTGGCAACAACACTGGCTCTCCAGAGGCCTTAGATTTTGTGCAAGTACCGAAACT  
 TCAGCATTACAGAGTTTGTAAAGAACAATGGTTTTTATCTCAATCATGACACTTTGGTGCAGTGTGAGTT  
 CTTTGGAAAAACATGTGATCCAAAGGATTTCAAACACGCTTTACTGAATATGGGAATTGCTTCACTTTC  
 AACTATGGCGAGAATGTCCAAGCAAGAACAAGTGAAGTGTCTGGAAGAGGCTTGAAGCTGTGCTTG  
 ATGTCCATCAGGAGGAATTCACGGACAACCCAGTCCCTGGTTTTGCTGATGCCGGGGTCACTTTGTTCAT  
 TCACTCACGAAGAAGGAGCCCCAGTTCGATGGCTTGGTTTTGCTTCTCCTGTGGGGATGCATGCACGG  
 GTGACCATCCGCCAAGTGAAGACCATCCACCAGGAGTACCCATGGGGAGAATGCAATCCTGACATCAAGT  
 TGAGGAACCTTACCACCTACAGCACGTATGGTTGTCTGAAGGAGTGCAAAGCCAAGCACATCAAAGGCT  
 GTGTGGATGTTTGCCTTCTGCTTCCAGGAAATGGTGTAGAGTGTGACCTACTAAAATACTACAAGTGT  
 GTGCTCCCATCCCTTACCACATCGAGCGTAAAGGGCTGTGCACAATGGGAACACACAACACTCCAGCTGCC  
 CCGTGCCATGCGAAGAAACAGAATACCCCTGTACAATTGCTTATTCGACTTTCCCAAGTCAAAGAGCAAC  
 AAAATTTCTTGCCAAGAATGAATCAAAGCCAAGAATATATCCGGGAGAATCTTGTGAACATTGAAATA  
 AACTATAGCGACTTAAACTATAAGATAACACAGCAACAAAAGGCAGTGAAGTGTGCCCGAGTACTTGCAG  
 ATGTTGGAGGTCAGCTGGGACTATTTTGCAGGAGTGTGATTACAATTATAGAGATTATTGAATATCT  
 ATTCACCAGTTTCTACTGGGTATTCATTTTCTTTTGTGAAAATACTTGAATGATCCAGCGGACTTCT  
 CCACCTCAGACAGTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR210785 representing NM\_022227  
 Red=Cloning site Green=Tags(s)

MEHTEKSKGPAEKGLLGKIRRYLSKRPLPSPTDRKKFDHDFAISTSFHGIHNIQNQNKVRKVIWLSVVL  
 GSVSLLVWQIYSRLVNYFMWPTTTSIEVQYVEKIEFPAVTFCNLNRQTEAVSRFGIIFFLWDIVSKVLR  
 LQEISGNTGSPEALDFVASHRNFSITEFVKNGFYLNHDTLVHCEFFGKTCDPKDFKHVFTEYGNCFTE  
 NYGENVQSKNKVSVSGRGLKLLLDVHQEEFTDNPVPGFADAGVIFVIHSPKKEPQFDGLGLSSPVMHAR  
 VTIRQLKTIHQEYPWGECPDILRNFTTYSTYGCLKECKAKHIQRLCGCLPFLPLPNGVECDLLKYNC  
 VSPILDHIERKGLCTMGTHNSSCPVCEETEYPATIAYSTFPSQRATKFLAKLNQSQEYIRENLVNIIEI  
 NYSDLNLIKITQQQKAVSPELLADVGGQLGLFCGASLITIIIEIIEYLFTSFYWFVIFFLKILEMIQRTS  
 PPQTV

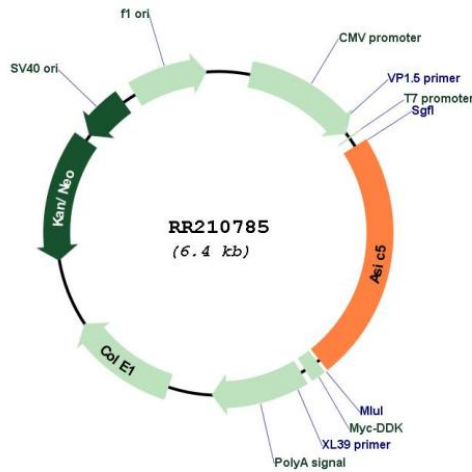
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI



Plasmid Map:



ACCN: NM\_022227

ORF Size: 1485 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

**MW:** 56.5 kDa

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