

Product datasheet for **RR203806**

Asic3 (NM_173135) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asic3 (NM_173135) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Asic3
Synonyms:	Accn3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR203806 representing NM_173135
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAACCTCGTCCGGACTGGAGGAGCCAGCGGCACAGGCCTCAGACATCCGGGTGTTTGCCAGCA
 GCTGCACAATGCATGGTCTGGGCCACATCTTTGGCCCTGGAGGCCTGACCCTGCGCCGAGGGCTGTGGG
 CACAGCTGTGCTCCTGTGCTGGCGCCTTCTCTACCAGGTGGCTGAGCGGGTTCGCTACTATGGGGAG
 TTCCACCATAAGACCACCCTGGATGAGCGTGAGAGCCACCAGCTCACCTCCCAGCTGTGACTCTGTGTA
 ATATCAACCCACTGCGCCGCTCACGCCTCACACCCAATGACTTGCCTGGGCTGGAACAGCGCTGTGGG
 CCTGGACCCTGCTGAACATGCTGCCTACCTTCGTGCACTGGGCCAGCCCCCGCACCACCTGGCTTCATG
 CCCAGTCCGACCTTTGACATGGCACAACCTACGCCAGAGCCGGCCACTCCCTTGAGGACATGTTGTTGG
 ATTGCCGATACCGTGGCCAGCCCTGTGGCCTGAGAACTCACAGTGATCTTTACTCGAATGGGGCAATG
 CTACACCTTCAACTCTGGTGGCCAGGTGCAGAGCTGCTCACCCTCAAAGGGTGGTGTGGCAACGGA
 CTGGAGATTATGCTAGATGTACAGCAAGAGGAGTATCTGCCATCTGGAAGGACATGGAAGAGACCCCGT
 TTGAGGTGGGGATCCGAGTGCAGATTACAGCCAGGATGAGCCCCCTGCCATTGACCAGCTGGGGTTCGG
 GGCAGCCCCAGGCCATCAGACTTTTGTGTCTGTGTCAGCAGCAGCAACTGAGTTTCTGCCACCACCTGG
 GGTGACTGCAATACCGCATCTTTGGATCCCGACGACTTTGATCCAGAGCCCTCTGATCCCTTGGGTTCCC
 CCAGACCCAGACCCAGCCCTCCTTATAGTTTAAAGGTTGTCGCCTGGCCTGTGAGTCTCGCTATGTGGC
 TCGGAAGTGTGGTGTGCAATGATGCATATGCCTGGAACTCCCCAGTGTGCAGCCCCAGCAGTACAAG
 GACTGCCAGCCAGCTCTGGACGCTATGCTGCGAAAGGACACGTGTGTCTGCCCAACCCGTGCGCTA
 CTACAGCTATGCCAAGGAGCTCTCCATGGTGGGATCCAGCCGCGCTCAGCTCGCTACCTACCGCCCG
 GAAATACAACCGCAGCGAGTCTACATTACGGAGAATGTACTGGTTCTGGATATCTTCTTTGAGGCCCTC
 AACTATGAAGCGGTGGAACAAAAGGCGCCTATGAAGTGTGCGAGCTGCTGGGAGACATTGGGGGACAGA
 TGGGACTGTTTATTGGAGCAAGCCTGCTTACCATCCTTGAGATCCTCGACTATCTCTGTGAGGTTTTCCA
 AGACAGAGTCTGGGATTTTCTGGAACAGAAGGAGCGCTCAAAAGCGCTCTGGCAACACTCTGCTCCAG
 GAAGAGTTGAATGGCCATCGAACACATGTTCCCCACCTCAGCCTAGGGCCAGGCCTCCTACCACTCCCT
 GTGCTGTACCAAGACTCTCTGCCTCCACCGTACCTGTTACCTCGTCAACAGGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR203806 representing NM_173135
 Red=Cloning site Green=Tags(s)

MKPRSGLEEAQRRQASDIRVFASSCTMHGLGHIFGPGGLTLRRGLWATAVLLSLAAFLYQVAERVRYIGE
 FHHKTTLDERESHQLTFPAVTLNINPLRRSRLTPNDLHWAGTALLGLDPAEHAAYLRALGQPPAPPFGM
 PSPTFDMAQLYARAGHSLEDMLLDCRYRGQPCGPENFTVIFTRMGQCYTFNSGAHGAELLTPKGGAGNG
 LEIMLDVQEEYLPPIWKDMEETPFVEGIRVQIHSQDEPPAIDQLGFGAAPHGQTFVSCQQQLSFLPPPW
 GDCNTASLDPDDFDPEPSDPLGSPRPRPSPYSLIGCRLACESRYVARKCGCRMMHMPGNSPVCSPQQYK
 DCASPALDAMLRKDTVCVPCNPATTRYAKELSMVRIPSRASARYLARKYNRSESYITENVLVDIFFEAL
 NYEAVEQKAAYESELLGDIGQMGLFIGASLLTILEILDYLCVDFQDRVLGYFWNRRSAQKRSGNTLLQ
 EELNGHRTHVPHLSLGP RPPTTPCAVTKTLSASHRTCYLVTRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1795_e05.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_173135

ORF Size: 1599 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

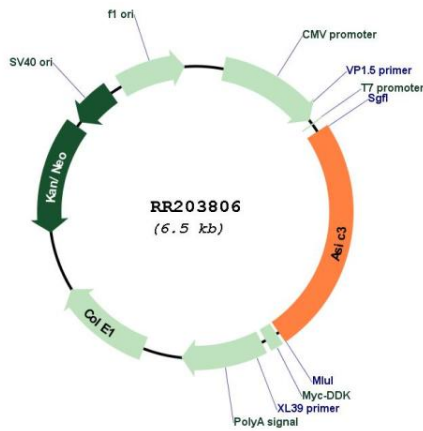
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_173135.1](#), [NP_775158.1](#)

RefSeq Size:	1602 bp
RefSeq ORF:	1602 bp
Locus ID:	286920
UniProt ID:	O35240
Cytogenetics:	4q11
MW:	59.7 kDa
Gene Summary:	subunit that forms a proton gated Na(+) channel; may play a role in prolonged pain perception [RGD, Feb 2006]

Product images:



Circular map for RR203806