

Product datasheet for **RN207637**

Asic1 (NM_024154) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asic1 (NM_024154) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Asic1
Synonyms:	Accn2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN207637 representing NM_024154
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAATTGAAGACCGAGGAGGAGGAGGTGGTGGTGTCCAGCCGGTGAGCATCCAGGCTTTCGCCAGCA
 GCTCCACGCTGCATGGTCTTGCCACATCTTCTCTATGAGCGGCTGTCTCTGAAGCGGGCACTGTGGC
 CCTGTGCTTCTGGGTTCTGCTGGCCGCTCTGCTGTGTGTGCACTGAGCGTGTGCACTACTTCTGCTG
 TATCACCACGTCACCAAGCTTGACGAAGTGGTGCCTCCCAGCTCACCTCCCTGCTGCACACTGTGCA
 ATCTCAATGAGTTCGGCTTAGCCAAAGTCTCCAAGAATGACCTGTACCATGCTGGGGAGCTGCTGGCCCT
 GCTCAACAACAGGTATGAGATCCCGACACACAGATGGCTGATGAAAAGCAGCTAGAGATATTGCAGGAC
 AAGCCAACTCCGGAGCTTCAAGCCCAAGCCCTCAACATGCGTGAATTCTACGACAGAGCGGGGACG
 ATATTCGAGACATGCTGCTCTCGTGCCACTTCCGTGGGGAGGCCGCAGCGCTGAAGATTTCAAAGTGGT
 CTTCACTCGGTATGGGAAGTGTACACATCAACTCGGGCAAGATGGGGGCCACGGCTGAAGACCATG
 AAAGGTGGGACTGGCAATGGCCTGGAGATCATGCTGGACATTCAGCAAGATGAATATTTGCCTGTGTGGG
 GAGAGACCGACGAGACATCCTTCGAAGCAGGCATCAAAGTGCAGATCCACAGTCAGGATGAACCCCTTT
 CATCGACCAGCTGGGCTTTGGTGTGGCTCCAGGTTCCAGACGTTTGTGCTTGCAGGAGCAGAGGCTC
 ATCTACCTGCCCTCACCTGGGGCACCTGCAATGCTGTTACCATGGACTCGGATTTCTTCGACTCTACA
 GCATCACTGCCTGCCGATTGATTGCGAGACGCGTTACCTGGTGGAGAAGTGAAGTGCAGATCCCTGCCCTG
 CATGCCAGGGGACGCCCCATACTGCACTCCAGAGCAGTACAAGGAGTGTGCAGATCCCTGCCCTGACTTC
 CTAGTGGAGAAAGACCAGGAATACTGCGTGTGTGAGATGCCTTGAACCTGACCCGCTACGGCAAGGAGC
 TGTCCATGGTCAAGATCCCAAGCAAAGCCTCCGCCAAGTACCTGGCCAAGAAGTTCAACAATCGGAGCA
 GTACATAGGGGAGAACATTCTGGTGTGACATTTTCTTTGAAGTCTCAACTATGAGACCATCGAGCAG
 AAAAAGGCCTATGAGATCGCAGGCTGTTGGGTGACATCGGGGGCCAGATGGGGTTGTTTCATCGGTGCCA
 GCATCCTCACCGTGTGAACTCTTTGACTATGCCTACGAGGTCATTAAGCACAGGCTGTGCAGACGTGG
 AAAGTGCAGAAAGGAGGCTAAGAGGAGCAGCGCAGACAAGGGCGTGGCGCTCAGCCTGGATGACGTCAA
 AGACACAATCCCTGCGAGAGCCTCCGAGGACATCCTGCCGGATGACGTACGCTGCCAACATCCTACCTC
 ACCATCCCGCTCGAGGCAGTGTGAGGACTTTACCTGCT**TAA**

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1811_a11.zip

Restriction Sites: Sgfl-RsrII

ACCN: NM_024154

Insert Size: 1581 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](#)

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_024154.2](#), [NP_077068.1](#)

RefSeq Size: 3771 bp

RefSeq ORF: 1581 bp

Locus ID: 79123

UniProt ID: [P55926](#)

Cytogenetics: 7q36

Gene Summary: forms a proton-gated ion channel that may play a role in sensory neuron function and pain perception [RGD, Feb 2006]