

Product datasheet for **RC220582**

ASIC3 (NM_004769) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ASIC3 (NM_004769) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ASIC3
Synonyms:	ACCN3; DRASIC; SLNAC1; TNaC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC220582 representing NM_004769
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGCCCACTCAGGCCAGAGGAGGCCGGCGGCCAGCCTCGGACATCCGCGTGTTCGCCAGCAACT
 GCTCGATGCACGGCTGGGCCACGTCTTCGGGCCAGGCAGCCTGAGCCTGCGCCGGGGATGTGGGCAGC
 GGCCGTGGTCTGTCAAGTGGCCACCTTCTCTACCAGGTGGCTGAGAGGGTGCCTACTACAGGGAGTTC
 CACCACCAGACTGCCCTGGATGAGCGAGAAAGCCACCGGCTCATCTTCCCGGCTGTACCCTGTGCAACA
 TCAACCCACTGCGCCGCTCGCGCTAACGCCAACGACCTGCACTGGGCTGGGTCTGCGCTGCTGGGCT
 GGATCCCGCAGAGCAGCCGCTTCTGCGCGCCTGGGCCGGCCTCTGCACCGCCCGGCTTCATGCC
 AGTCCACCTTTGACATGGCGAACTCTATGCCCGTGTGGGCACTCCCTGGATGACATGCTGCTGGACT
 GTCGTTCCGTGGCCAACCTTGTGGGCTGAGAACTTACCACGATCTTACCCGGATGGGAAAGTCTA
 CACATTTAACTCTGGCGTGTATGGGCGAGAGCTGCTCACCCTACTAGGGGTGGCATGGGCAATGGGCTG
 GACATCATGCTGGACGTGCAGCAGGAGGAATCTACCTGTGTGGAGGGACAATGAGGAGACCCGTTTG
 AGGTGGGGATCCGAGTGCAGATCCACAGCCAGGAGGAGCCGCCATCATCGATCAGCTGGGCTTGGGGT
 GTCCCGGGTACCAGACCTTTGTTTCTTCCAGCAGCAGCAGCTGAGCTTCTGCCACCGCCCTGGGGC
 GATTGCAGTTCAGCATCTCTGAACCCAACTATGAGCCAGAGCCCTCTGATCCCTAGGCTCCCCAGCC
 CCAGCCCCAGCCCTCCCTATACCCTTATGGGGTGTGCGCTGGCCTGCGAAACCCGCTACGTGGCTCGAA
 GTGCGGCTGCCGAATGGTGTACATGCCAGGCGAGTGCAGTGTGCAGCCCCAGCAGTACAAGAAGTGT
 GCCACCCGCCATAGATGCCATGCTTCGCAAGGACTCGTGCCTGCCCAACCCGTCGCCAGCAGCG
 GCTACGCCAAGGAGCTCTCCATGGTCCGGATCCCGAGCCGCGCCGCGGCTTCTGGCCCGAAAGT
 CAACCGCAGCGAGGCTACATCGCGGAGAACGTGCTGGCCCTGGACATCTTCTTTGAGGCCCTCAACTAT
 GAGACCGTGGAGCAGAAGAAGCCCTATGAGATGTGAGAGTGTGTTGGTGACATTGGGGGCCAGATGGGGC
 TGTTTCATCGGGGCCAGCCTGCTCACCCTCCTCGAGATCCTAGACTACCTCTGTGAGGTGTTCCGAGACAA
 GGTCTGGGATATTTCTGGAACCGACAGCACTCCCAAAGGCACTCCAGCACCAATCTGCTTCAGGAAGGG
 CTGGGCAGCCATCGAACCAAGTCCCCACCTCAGCCTGGGCCCCAGACCTCCACCCCTCCCTGTGCC
 TCACCAAGACTCTCTCCGCTCCACCGCACCTGTACCTGTACACAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC220582 representing NM_004769
 Red=Cloning site Green=Tags(s)

MKPTSGPEEARRPASDIRVFASNCMHGLGHVFGPGSLSLRRGMWAAAVLSVATFLYQVAERVRYREF
 HHQTALDERESHRLIFPAVTLNINPLRRSRLTPNDLHWAGSALLGLDPAEHAFLRALGRPPAPPGFMP
 SPTFDMAQLYARAGHSLDDMLLDCRFRGQPCGPENFTTIFTRMGKCYTFNSGADGAELLTTTRGGMGNL
 DIMLDVQQEEYLPVWRDNEETPFVEVGIRVQIHSQEEPIIDQLGLGVSPGYQTFVSCQQQLSFLPPPWG
 DCSSASLNPNYEPEPSDPLGSPSPSPPPYTLMGRLACETRYVARKCGCRMVYMPGDVPCSPQQYKNC
 AHPAIDAMLRKDSACPNPCASTRYAKELSMVRIPSRAAARFLARKLNREAYIAENVLALDIFFEALNY
 ETVEQKKAYEMSELLGDIGQMGLFIGASLLTILEILDYLCVFRDKVLGYFWRNQRHSQRHSSTNLLQEG
 LGSHTQVPHLSLGRPPTPPCAVTKLSASHRTCYLVTQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6275_d02.zip

Restriction Sites:

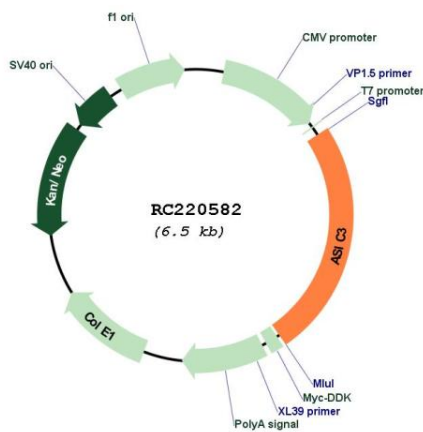
Sgfl-MluI

Protein Families: Druggable Genome, Ion Channels: Other

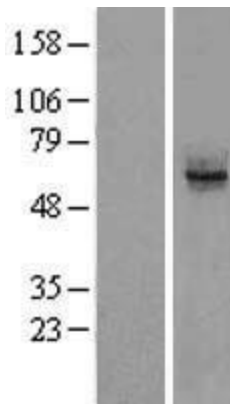
MW: 58.7 kDa

Gene Summary: This gene encodes a member of the degenerin/epithelial sodium channel (DEG/ENaC) superfamily. The members of this family are amiloride-sensitive sodium channels that contain intracellular N and C termini, two hydrophobic transmembrane regions, and a large extracellular loop, which has many cysteine residues with conserved spacing. The member encoded by this gene is an acid sensor and may play an important role in the detection of lasting pH changes. In addition, a heteromeric association between this member and acid-sensing (proton-gated) ion channel 2 has been observed as proton-gated channels sensitive to gadolinium. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2012]

Product images:



Circular map for RC220582



Western blot validation of overexpression lysate (Cat# [LY417765]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220582 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).