

## Product datasheet for **RC203827**

### **ACCN4 (ASIC4) (NM\_182847) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ACCN4 (ASIC4) (NM_182847) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ACCN4
Synonyms:	ACCN4; BNAC4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC203827 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCTGAGCGGAGCGGCTGGGGCTGCGCGGCGTGGCGGAGCAGCGCTCGTCCCTCGCTCACTCGCTCGC  
 TCGCAGGGACACACGCAGGGGCTGACAGCTGTGCTGGTGTGCTGATAAGGGAAGCCACAAGGAGACGATCGA  
 GGAGAGAGACAAGCGGCAGCAGAGGCAGCAGCGGCAGAGGCAGCACCAGGGCTGCGGAGCTGCTGGGAGT  
 GGGAGTGA**CTCCCCACCTCGGGCCCCACCCTGTCCCTGTCCTTCCCGCTTGCCCTGAGTTTAGAAG**  
 AGCAGCCGCTGCCACCACTGCCACTCGGGAGGGCACCAGGGCTGCTGGCTAGGGAGGGACAGGGCAGGGA  
 GGCTCTGGCCAGTCCCAGCAGCCGGGACAGATGCCGATCGAGATTGTGTGCAAAATCAAATTTGCTGAG  
 GAGGATGCGAAACCAAGGAGAAGGAGGCAGGGGATGAGCAGAGCCTCCTCGGGGCTGTTGCCCTGGAG  
 CAGCCCCCGAGACCTGGCCACCTTTGCCAGCACCAGCACCTGCATGGACTGGGCCGGGCTGTGGCCC  
 AGGCCCCACGGACTGCGCAGAACCCTGTGGGCACTGGCCCTACTCACCTCGCTGGCTGCCTTCCTGTAC  
 CAGGCGGCTGGCCTGGCCCGGGGTACCTGACCCGGCCTCACCTGGTGGCAATGGACCCCGCTGCCCCAG  
 CCCCAGTGGCGGGCTTCCCGGCTGTACCCCTCTGCAATATCAACCGCTTCCGGCATTCCGGCACTAGCGA  
 TGCCGACATCTTCCACCTGGCCAATCTGACAGGGCTGCCCCCAAGACCGGGATGGGCACCGTGGCGGT  
 GGCTGCGCTACCCAGAGCCTGACATGGTAGACATCTCAACCGCACTGGCCACCAGCTCGCCGACATGC  
 TTAAGAGCTGCAACTTCACTGGGCATCACTGCTCCGCCAGCAACTTCTCTGTGGTCTATACTCGCTATGG  
 GAAGTGTACACCTTCAACCGGACCCCGGAGCTCGCTGCCAGCCGGGCAGGGGGCATGGGCAGTGGC  
 CTGGAGATCATGCTGGACATCCAGCAGGAGGAGTACCTGCCATCTGGAGGGAGACAAATGAGACGTCGT  
 TTGAGGCAGGATTCGGGTGCAGATCCACAGCCAGGAGGAGCCGCCCTACATCCACCAGCTGGGGTTCGG  
 GGTGTCCCAGGCTTCCAGACCTTTGTGTCCTGCCAGGAACAGCGGCTGACCTACCTGCCCCAGCCCTGG  
 GGCAACTGCCGCGCAGAGAGTGAGCTCAGGGAGCCTGAGCTTCAAGGCTACTCGGCCTACAGTGTGTCTG  
 CCTGCCGGCTGCGCTGTGAAAAGGAGGCGTGCTTCAAGCCTGCCACTGCCGGATGGTGCACATGCCAGA  
 CTCCCTGGGTGGGGGCCCTGAGGGCCCGTCTTCTGCCCCACCCCTGCAACCTGACACGCTATGGGAAA  
 GAGATCTCCATGGTCAAGATCCCAACAGGGGCTCAGCCCGGTACCTGGCGAGGAAGTACAACCGCAACG  
 AGACCTACATACGGGAGAACTTCTGGTCTAGATGTCTTCTTTGAGGCCCTGACCTCTGAAGCCATGGA  
 GCAGCGAGCAGCCTATGGCCTGTCAGCCCTGCTGGGAGACCTCGGGGACAGATGGGCTGTTTATTGGG  
 GCCAGCATCCTCACGTTGCTGGAGATCCTCGACTACATCTATGAGGTGCTCTGGGATCGACTGAAGCGGG  
 TATGGAGGCGTCCAAGACCCCTGCGGACCTCCACTGGGGGATCTCCACTTTGGGGCTTCAGGAGCT  
 GAAGGAACAGAGTCCCTGCCCGAGCCTGGGCCGAGCGGAGGGTGGGGGGTTCAGCAGTCTGCTCCCAAT  
 CACCACCACCCACGGTCCCCAGGAGGTCTCTTTGAAGATTTTGTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTAA



**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\\_182847.1](#), [NP\\_878267.1](#)

**RefSeq Size:** 2857 bp

**RefSeq ORF:** 1563 bp

**Locus ID:** 55515

**UniProt ID:** [Q96FT7](#)

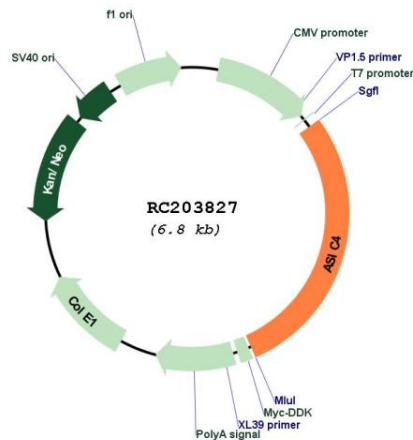
**Cytogenetics:** 2q35

**Protein Families:** Druggable Genome, Ion Channels: Other

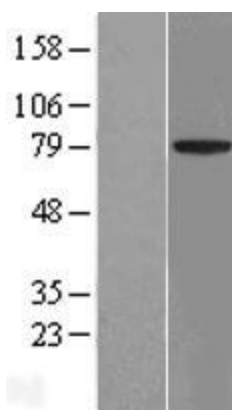
**MW:** 70 kDa

**Gene Summary:** This gene belongs to the superfamily of acid-sensing ion channels, which are proton-gated, amiloride-sensitive sodium channels. These channels have been implicated in synaptic transmission, pain perception as well as mechanoperception. This gene is predominantly expressed in the pituitary gland, and was considered a candidate for paroxysmal dystonic choreoathetosis (PDC), a movement disorder, however, no correlation was found between mutations in this gene and PDC. [provided by RefSeq, Feb 2012]

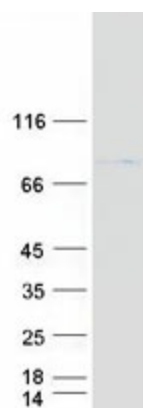
### Product images:



Circular map for RC203827



Western blot validation of overexpression lysate (Cat# [LY405379]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203827 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ASIC4 protein (Cat# [TP303827]). The protein was produced from HEK293T cells transfected with ASIC4 cDNA clone (Cat# RC203827) using MegaTran 2.0 (Cat# [TT210002]).