

Product datasheet for **RN213404**

Hcn2 (NM_053684) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hcn2 (NM_053684) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hcn2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN213404 representing NM_053684
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGCGCGCGGGGGCGGGCGGGCGGCGATAGTCCGGGCGGACCCCTGCGCGGGGGCCGGCCG
 CACCGCCGCGCCGCGCCCGCCCTCAGCCTCAGCCACCACCCGCGCCACCCCGAAACCCACGACCCC
 CTCGACCCGGAGTCGGCGGACGAGCCCGCCCGCTCCCGGCTCTGCAGCCGCGACAGCTCCTGCACT
 CCTGGCGCGGCCAAGGGCGGCGGAATGGCGAGTGGGGCGGGGAGCCGAGTGCAGCCCGAGGGCC
 CCGCGCGCGCCCAAGGTTTCTCATGTGCGGGGGCGGCTCGGGGCCGCGGGCGGAGGAGGC
 GGGCAGCGAGGAGGGCCCGGGTGGAGCCGCGGGCAGCCAGGCCAGCTTCTGCAGCGCAATTC
 GGGGGCTCCTGCAGCCGGCGTCAACAAGTTCTCCCTGCGGATGTTTGGCAGCCAGAAGGCCGTGGAGC
 GCGAGCAGGAACCGTGAAGTCGGCGGGGCTGGATCATCCACCCTACAGCGACTTCAGTTCTACTG
 GGACTTACCATGCTGTTGTTTTCATGGTGGAAATCTCATCATCCCTGTGGGATCAGTTTCTCAAG
 GACGAGACCACGGCGCCCTGGATCGTCTTCAACGTGGTCTCGGACACTTCTTCCCTCATGGACTTGGTGC
 TGAATTTTCGACCCGGCATTGTTATTGAGGACAACACGGAGATCATCCTGGACCCGAAAAGATAAAGAA
 AAAGTACCTGCGTACGTGGTTCGTGGTAGACTTCGTGTATCCATCCCGGTGGACTACATCTTCCATC
 GTGGAGAAGGGAATCGACTCCGAGGTCTACAAGACGGCCCGTGCCTACGATCGTGGTTCACCAAGA
 TCCTCAGTCTGCTGCGGTTGCTGCGGCTATCCCGGCTCATCCGATATATCCCAATGGGAGGAGATTT
 CCACATGACCTACGACCTGGCAAGCGGGTGTGCGCATCTGTAACTGATCAGCATGATGCTGCTGCTC
 TGCCACTGGGACGGCTGCCTGCAGTTCCTGGTCCCATGCTGCAAGACTTCCCAGCGACTGTGGTGT
 CCATCAACAACATGGTGAACCACTCGTGGAGCGAACTTATTGTTTCGCGCTCTTCAAGGCCATGAGCCA
 CATGCTCTGATTGGCTACGGGGCGCAGGCTCCCGAGAGCATGACGGACATCTGGCTCACCATGCTCAGC
 ATGATCGTGGGCGCCACCTGCTACGCTATGTTTATTGGGACGCGCACGGCGCTTATCCAGTCCCTGGACT
 CGTCACGGCGCCAGTACCAGGAGAAGTACAAGCAAGTGGAGCAGTACATGTCTTCCACAACTGCCGGC
 TGACTTCCGCCAGAAGATCCACGATTACTATGAACACCGGTACCAGGGGAAGATGTTTGACGAGGACAGC
 ATCCTGGGGAACTCAACGGCCACTGCGTGGAGGATTTGTAAGTCAACTGCCGAAGCTGGTGGCTT
 CCATGCCGTTGTTTGCCAAACGACACCCCACTTCGTACCGCCATGCTGACAAAGCTCAAATTTGAGGT
 CTTCCAGCCTGGAGACTACATCATCCGAGAGGGGACCATCGGGAAGAAGATGACTTCATCCAGCACGGG
 GTGGTGGAGGCTGCTACCAAGGGCAACAAGGAGATGAAGCTGTGAGTGGCTCCTATTTTGGGAGATCT
 GCCTGCTCAGAGGGGCCGGCGCACAGCCAGTGTGCGGGCTGACACCTACTGTGCGCTCTACTACTGAG
 CGTGGACAACTTCAACGAGGTGCTGGAGGAGTACCCATGATGCGGGCTGCCCTTGGAGACCGTGGCCATT
 GACCGCCTGGACCGCATAGGCAAGAAGAACTCCATCTTGTACACAAGGTTGAGCATGATCTCAGCTCGG
 GTGTGTTCAACAACAGGAGAACGCCATCATCCAGGAGATTGTCAAATATGACCGTGAGATGGTGCAGCA
 GGCAGAGCTGGGCGAGCGTGTGGGGCTTCCACCACCGCCACCACCGCAGGTACGTCGGCCATCGCC
 AACTGCAGCAGGCGGTGGCCATGAGCTTCTGCCCGCAGGTGGCCCGCCGCTCGTGGGGCCCTGGCGC
 TAGGGTCCCACGCTCGTGCGCCGCGCCCGCCAGGGCTCTGCCTCTGCAGCCTCACAGGGCCACC
 CGCAGCGAGCCCCGGCTGCACCTCGAGCCCTCGGGCACCGGACCTCACCTACGGTGTGCCTGGC
 TCTCCGGCAACGCGTGTGGGGCCCGATTGCCCGCACCGCCTGAGCCGCGCCTCGCGCCACTGTCCG
 CCTCGCAGCCCTCGTGCACCACGGCGCCCGCACCCAGCCCGCGGCTCTGCGCGCCCGGCCAGCAG
 CTCCACCCCGCTCTGGGACCGCACCCACCACCGGACCGCGCACCCAGTCCGGACCGCAGGGACTCA
 GCCTCGCCGGGCGCTGCCAGTGGCTCGACCCACTGGACTCTGCGCGCTCGCGCTCTTCCAAGTTGT
 GA

AC**GGGCGC**TCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
 TTACAAGGATGACGACGATAAAGTTTAA

Restriction Sites: SgfI-NotI
 ACCN: NM_053684
 Insert Size: 2592 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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_053684.1 , NP_446136.1
RefSeq Size:	2633 bp
RefSeq ORF:	2592 bp
Locus ID:	114244
UniProt ID:	Q9JKA9
Cytogenetics:	7q11
Gene Summary:	may play a role in generation of neuronal pacemaker activity [RGD, Feb 2006]