

Product datasheet for **RN212406**

Hcn3 (NM_053685) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hcn3 (NM_053685) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hcn3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN212406 representing NM_053685
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGAGGAGCGCGGCCGGTGGGGACGGGAAGCGCGACTCTGCACGCGAGACGCCTCTG
 CGGCTCCCGCCAGGCCCGCGGCCTCAGGTGGGTGCCAGAGTCTGCCCCGAGCCGAAGAGGCGGCA
 GCTCGGACGCTGCTGCAGCCGACCGTCAACAAGTTCTCTCCGGGTCTTCGGCAGCCAAAAGCGGTG
 GAAATCGAGCAGGAGAGGGTGAAGTCCGCCGGGCTGGATCATCCACCCTACAGCGACTTCCGGTTTT
 ACTGGGACCTGATCATGCTGCTGATGGTGGGAACCTCATAGTACTGCCCGTGGGCATCACTTTCTT
 CAAGGAGGAGAACTCCCCACCCTGGATCGTCTCAATGTCCTCTCGGACACTTTCTTCTGCTGGATCTG
 GTGCTCAACTCCGAAGTGGCATCGTGGTGGAGGAAGGTGCGGAGATCCTGTTGGCGCCAGGGCTATCC
 GCACGCGTTACCTGCGCACCTGGTTCCTGGTGGACCTGATTTCTCCATCCCTGTGGATTACATCTTCT
 AGTGGTAGAGCTGGAGCCAGACTAGACGCTGAGGTCTACAAAACGGCAGGGCCCTGCGCATCGTTAGA
 TTCACCAAGATCCTTAGCTGCTGCGGCTGCTCCGCCTCTCCCGCTCATCCGATACATGCACCAGTGGG
 AGGAGATCTTTCACATGACCTACGACCTGGCCAGTGCAGTGGTTCGCATCTTCAACCTCATTGGAATGAT
 GTTGTGCTGTGCTCACTGGGATGGCTGTCTGCAGTTTCTGGTCCCTATGCTGCAGGACTTCCCTCCGAC
 TGCTGGGTCTCCATGAACCGCATGGTGAACCACTCGTGGGGCCCGCAGTACTCCACGCCCTGTTCAAGG
 CCATGAGTCACATGCTGTGCATTGGCTACGGGCAGCAGGACCACTAGGCATGCCTGACGCTCTGGCTCAC
 CATGCTCAGCATGATTGGGGCCACCTGCTATGCCATGTTTCATCGGCCAGCCACCGCCCTCATCCAG
 TCCCTGGACTCGTCCCGGCCAGTACCAGGAGAAGTACAAGCAGGTGGAGCAGTACATGTCCTTCCACA
 AGTGCCAGCCGACACACGGCAGCGCATCCACGAGTACTACGAGCATCGGTACCAGGGCAAGATGTTTGA
 TGAAGAGACATCCTGGGGAGCTGAGCGAGCCGCTTCGGGAGGAGATTATTAACCTCACCTGCCGGGGC
 CTGGTGGCCACATGCCGCTGTTTGCTCATGCTGACCCAGTTTCGTCACCGCAGTACTACCAAGCTCC
 GTTTTGAAGTCTTCCAACCTGGGGATCTGGTGGTGCCTGAGGGTCCGTGGGCAGGAAGTGTACTTCAT
 CCAGCATGGGCTGCTCAGTGTGTTGGCACGGGGCGCCGGGACACTCGCCTCACTGACGGATCTACTTT
 GGGGAGATCTGCCTGCTGACTCGAGGTGCGGAGAACAGCCAGTGTAAAGGGTGCACCTACTGTCGCCTCT
 ACTCACTCAGCGTGGACCACTTCAATGCAGTGTGAGGAGTTCGGATGATGCGCAGGGCTTTTGAAGC
 TGTGGCCATGGACCGCTTCGGCGCATCGGCAAAAAGAATTTCGATATTGCAGCGAAACGCTCTGAGCCG
 AGTCCAGGCAGCAGCAGTGGTGGCGTATGGAGCAGCATTGGTACAACACGACAGAGACATGGCTCGTG
 GTATTCGGGGTCTGGCTCCGGGCACAGGAGCTCGCCTCAGTGGAAAGCCAGTGTGTGGGAACCACTGGT
 ACACGCACCTCTGCAGGCAGTCTGTGACCTCAACGTGGCCATAGCCTTGACTCATACGCGAGGCCCT
 CTGCCCCCTCTCCCTGATTCTCCAGCCACCCTCCTGGCTCGATCTGCTAGACGCTCAGCAGGCTCCCCAG
 CCTCCCCACTGGTGCCTGTCCGAGCAGGTCTCTGCTGGCCCCGGGACCTGGGCGTCCACTTCTCGCCT
 GCCTGTCCACCTGCCGAACCTCCATGCCAGCCTATCCCGACAGGGCGTTCACAGGTGTCTCTGTTG
 GGCCCTCCCCAGGAGGAGGTGGTGGAGGCTAGGACCTCGGGCCCGCCACTCTCTGCCTCTCAACCT
 CTCTGCCTCAGCGAGCCACGGGGATGGCTCTCTAGGCGCAAAGGCTCTGGAAGTGAGCGTCTGCCCC
 CTCGGGGCTCCTGGCCAAGCCTCCAGGGACTGTCCAGCCATCCAGGTATCAGTGCCTGAGCCAGTTACC
 CCCAGAGGTCCCAAATTTCTGCCAACATG**TGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-RsrII
ACCN: NM_053685
Insert Size: 2343 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_053685.1 , NP_446137.1
RefSeq Size:	2343 bp
RefSeq ORF:	2343 bp
Locus ID:	114245
UniProt ID:	Q9JKA8
Cytogenetics:	2q34
Gene Summary:	may play a role in generation of neuronal pacemaker activity [RGD, Feb 2006]