

## Product datasheet for **RN213992**

### **Hcn1 (NM\_053375) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Hcn1 (NM_053375) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hcn1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN213992 representing NM\_053375  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGAAGCGCGCGCAAGCCAACTCCGCTTCCAACAGCCGCGACGATGGCAACAGCGTCTACCCCTCCA  
 AGGCGCCCGCGACGGGGCCGGCGCGCGGCGACAAGCGCCTGGGGACCCCGCCGGGGGCGGCGCGGCCGG  
 GAAGGAACACGGCAACTCCGTGTGCTTCAAGGTGGACGGCGGAGGAGAGAGCCGGCGGCGAGCTTC  
 GAGGATGCCGAGGGGCCCGGCGACAGTACGGTTTCATGCAGAGGCAGTTCACCTCCATGCTGCAGCCTG  
 GGGTCAACAAATTCTCCCTCCGATGTTCCGGGAGCCAGAAGGCGGTGGAGAAGGAGCAGGAAAGGTTAA  
 AACTGCAGGCTTCTGGATTATCCATCCGTACAGTACTTCAGGTTTTATTGGGATTTAATAATGCTTATA  
 ATGATGGTTGAAATTTGGTCATCATACCAGTTGGAATCACATTCTTCACAGAGCAAACAACACCCGT  
 GGATTATTTTCAATGTGCATCAGATACAGTTTTCTGTTGGACCTAATCATGAATTTTAGGACTGGGAC  
 TGCAACGAAGACAGCTCTGAAATCATCTGGACCCTAAAGTAATCAAGATGAATTTTAAAAAGCTGG  
 TTCGTGGTGGACTTCATCTCCTCGATCCCGGTGGATTATATCTTTCTTATTGTAGAGAAAGGAATGGATT  
 CGGAAGTTTACAAGACCGCCAGAGCACTTCGGATCGTGAGGTTTACAAAAATTCTCAGTCTCTTGC GTTT  
 ATTACGCCTTTC AAGTTAATTAGATACATACACCAGTGGGAAGAGATATTCCACATGACATATGATCTC  
 GCCAGTGCAGTGGTGAGAATCTTCAACCTCATTGGCATGATGCTGCTCCTGTGTCAGTGGGATGGCTGTC  
 TTCAGTTTCTGGTCCCTGCTGCAGGACTTCCCACCGGATTGCTGGGTTTCTCTAAATGAAATGGTTAA  
 TGATTCATGGGGAAACAGTATTCCTACGCACTTCAAAGCTATGAGTCACATGCTGTGCATTGGTTAT  
 GCGCCACAGGCCCGCTCAGCATGTCTGACCTCTGGATTACCATGCTGAGCATGATTGTTGGGGCCACT  
 GTAGATCCATGTTTGTGCGCCATGCCACAGCTTTGATCCAGTCTCTGGATTCTTCAAGGAGCAGTATCA  
 AGAGAAGTACAAGCAAGTAGAGCAATACATGTCATTCCACAAGTTACCAGCTGACATGCGCCAGAAGATA  
 CATGATTACTATGAGCACCGATACCAAGCAAGATCTTCGATGAGGAAAAATTCTCAGTGAACCTAATG  
 ATCCTCTGAGAGAGGAAATAGTCAACTTCAACTGCCGAAACTGGTGGCCACCATGCCTCTCTTTGCTAA  
 CGCGGATCCCAATTTCTGACGGCCATGCTGAGCAAGCTGAGATTTGAGGTGTTCCAGCCCGGAGACTAT  
 ATCATTGAGAAGGAGCTGTGGGAAGAAAAATGATTTTCATCCAGCATGGTGTGGCTGGTGTATCACCA  
 AGTCCAGTAAAGAAATGAAGTTGACAGACGGCTTACTTTGGAGAAATATGCCTGCTGACCAAGGGCCG  
 GCGCACTGCCAGTGTTCGAGCTGATACATACTGTCGCTTACTCCCTTTCGGTGGACAATTTCAACGAG  
 GTCTTGGAGGAATATCCAATGATGAGAAGGCCTTTGAGACAGTTGCTATTGACCGACTAGATCGGATAG  
 GCAAGAAAAACTCTATTCTCCTGCAAGATTCCAGAAGGATCTGAACACTGGTGTTTTCAACAACAGGA  
 GAATGAGATCCTGAAGCAGATTGTGAAGCATGACAGAGAGATGGTACAAGCGATCCCTCCAATCAACTAT  
 CCTCAAATGACAGCCCTGAATTGCATCTTCAACCACCACCCCAACGTGCGCATGAGGACCCAATCTC  
 CACCAGTCTACACAGCGACCAGCCTCTCTCACAGCAACCTGCACTACCCAGCCCGAGCACACAGACGCC  
 TCAACCCTCAGCCATCTTTACCCTGCTCCTACACCACAGCAGTCTGCAGTCTCCTATAACAGAGCCCC  
 CTGGCCACGCGAACTTTCCATTATGCCTCTCCCACTGCATCCCAATTGCTCACTCATGCAGCAGCCTCAGC  
 CGCAGCTACAGCAATCCAGGTACAGCAGACTCAGACTCAGACTCAGCAGCAGCAGCAGCAACAGCAGCC  
 GCAGCCGAGCCGAGCAGCCGCAACAGCAACAACAGCAGCAACAGCAGCAGCAGCAGCAGCAACAA  
 CAGCAGCAGCAACAGCCACAGACACCTGGTAGTTCCACACCGAAAAATGAAGTGCACAAGAGCACTCAAG  
 CTCTTCATAACACCCACCTGACCAGAGAAGTCAAGCCCTCTCTGCCTCGCAGCCTTCGCTGCCCATGA  
 GGTCTCCACTATGATCTCCAGACCGCATCCCACTGTGGGCGAGTCCCTGGCTTCCATCCCTCAACCCGTG  
 GCAACAGTCCACAGCACTGGCTTCAGGCGAGGAGCAGGAGCACCCTGCCACAGCGTGTACCTTGTTC  
 GACAGATGCTCCTCGGAGCCATCCCCCAACCGAGGAGTGCCTCCAGCACCCCGCCACCAGCAGCTGT  
 GCAGAGAGAGTCTCCCTCAGTCTAAATAAAGACCCAGATGCAGAAAAACCCCGTTTTGCTTCGAATTTA  
 TGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN:	NM_053375
Insert Size:	2733 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"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
RefSeq:	<a href="#">NM_053375.1</a> , <a href="#">NP_445827.1</a>
RefSeq Size:	2807 bp
RefSeq ORF:	2733 bp
Locus ID:	84390
UniProt ID:	<a href="#">Q9JKB0</a>
Cytogenetics:	2q15
Gene Summary:	may generate neuronal pacemaker activity [RGD, Feb 2006]