

Product datasheet for **RN214763**

Hcn4 (NM_021658) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hcn4 (NM_021658) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hcn4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN214763 representing NM_021658 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACAAGCTGCCCGCTCCATGCGCAAGCGGCTCTACAGCCTCCGCAGCAGGTGGGGCCAAGCGT
GGATCATGGACGAGGAAGAGGATGGTGAGGAAGAGGGGGCCGGGGCCTCCAGGACCAAGCCGAAGGAG
CATTTCGGCTGCGGCCGCTGCCCTCGCCCTCGCCCTCGGTGGCCGCGGCTGCTCCGAGTCCCGGGTGCG
GCCCTCGGGGCGCAGACAGCGAGGGGCGGGCCGCGAGCGCCGGCAAGTCCAGCACCAACCGTGACTGCA
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CCTCGCCCGCCCAACAGCCGCGCAGCCGGCTCCGCTCCTGCGAGCAGCCCTCGCGGACACAGC
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TGCGCATTGTCCGCTTACGAAGATCCTCAGCCTCCTGCGCCTCCTGCGGCTTCCCGCCTCATTCCGGTA
CATTACCAGTGGGAAGAGATCTTCCACATGACCTACGACCTGGCAGTGGCGTGGTACGCATCGTGAAC
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GACGTCTGGCTACCATGCTCAGCATGATCGTGGGCGCCACCTGCTATGCCATGTTTCATCGGGCAGGCCA
CTGCCCTCATCCAGTCCGCTGGACTCCTCCCGGCCAGTACCAGGAGAAGTACAAGCAGGTGGAGCAGTA
CATGTCCTTCCACAAGCTCCCGCTGACACCAGGAGCGCATCCAGGACTACTACGAACCCGCTACCAG



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GGCAAGATGTTTGACGAGGAAAGCATCCTGGGTGAGCTGAGTGAGCCGCTTCGAGAGGAGATCATCAACT
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TTGTCCCAGGTCTGGCAGCTGGTCCACCAAGTACACCAGAGACACCCCGCGGCCCAACGGCCATCCT
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GACTCTACGCAGGGCTCTCCTCACTCCTCAGGGAGTGCATGGCTGCCTTCTACTCTACCCAGAGCT
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_021658
- Insert Size:** 3597 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:

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_021658.1](#), [NP_067690.1](#)

RefSeq Size: 3971 bp

RefSeq ORF: 3597 bp

Locus ID: 59266

UniProt ID: [Q9JKA7](#)

Cytogenetics: 8q24

Gene Summary: may act as a neuronal pacemaker channel; may play a role in neurotransmitter release [RGD, Feb 2006]