

Product datasheet for MC223934

Hcn4 (NM_001081192) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Hcn4 (NM_001081192) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Hcn4
 Synonyms: Bcng3; Hcn3
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >MC223934 representing NM_001081192
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACAAGCTGCCGCCGTCCATGCGCAAGCGGCTCTACAGCCTCCGCAGCAGGTGGGGCCAAGGCGT
 GGATCATGGACGAGGAAGAGGATGGTGAGGAAGAAGGGGCGGGGCGCCAGGACCCAGCCGAAGGAG
 CATCCGGCTGCGGCCGTGCCCTCGCCCTCCTCGGTGGCTGCGGGCTGCTCGGAGTCCCGGGTGGC
 GCCCTCGGGGCGACAGAGAGCGAGGGGCGGGCCGCAGCGCCGGCAAGTCCAGCACCAACGGTGACTGCA
 GCGCTTCCGCGGAGTCTGGCCTCGCTGGGCAGCCGGGCGCGCGCAGTGGTGGAGCAGGGGGCGGCAG
 CAGTCTCGGGACCTGCATGACTCCGCGGAGGAACGGCGGCTCATCGCCGCTGAGGGCGATGCGTCCCC
 GGGAGGACAGGACGCCCGGGGCTGGCGACCGAACCAGCGCCCGCCAGCCGCGCACAAACCCGAG
 CCTCGCCCGCCCCAGCAGCCGCGCAGCCGGCTCTGCCTCCTGCGAGCAGCCCTCGGCGGACACCGC
 TATCAAAGTGGAGGGAGGCGCGCCGCGCAGCGACCAGATCCTCCCGAGGCGGAGGTGCGCCTGGCCAG
 AGCGGCTTCATGCAGCGCCAGTTCGGTGCCATGCTGCAACCTGGGGTCAACAAATTCCTCAAGGATGT
 TCGCGAGCCAGAAAGCGGTGGAGCGCAGCAGGAGGGTTAAGTCAGCAGGGTTTTGGATTATCCACCC
 CTACAGTGACTTCAGATTTTACTGGACCTGACGATGCTGTTGCTGATGGTGGGAATCTGATCATCATA
 CCCGTGGGCATCACCTTCTTCAAGGATGAGAACCACACCCTGGATCGTCTTCAATGTGGTGTGAGACA
 CATTCTTCTCATTGACTTGGTCTCAACTCCGCACGGGGATCGTGGTGGAGGACAACACAGAAATCAT
 CCTTGACCCGAGAGGATCAAGATGAAGTACCTGAAAAGCTGGTTTGTGGTAGATTTTCATCTCCTCCATC
 CCTGTCGACTACATCTTCTTATAGTGGAGACTCGCATTGACTCGGAGGTCTACAAAACCGCTAGGGCTC
 TGCGCATTGTCCGTTTCACTAAGATCCTCAGCCTCCTGCGCCTTTGAGGCTTTCCGCCTATTTCGATA
 CATTTCATCAGTGGGAAGAGATCTCCACATGACCTATGACCTGGCCAGCGCCGTGGTACGCATCGTGAAC
 CTCATTGGCATGATGCTTCTGCTGTGCTACTGGGATGGCTGCCTGCAGTTCCTAGTGCCCATGCTGCAGG
 ACTTCCCCATGACTGCTGGGTGTCCATCAATGGCATGGTGAATAACTCCTGGGGGAAGCAGTATTCCTA
 CGCCCTCTTCAAGGCCATGAGCCACATGCTGTGATTGGGTATGGACGGCAGGCACCCGTAGGCATGCT
 GACGTCTGGCTACCATGCTCAGCATGATCGTGGGGCCACCTGCTATGCCATGTTTCATCGGCCACGCCA



CTGCCCTCATCCAGTCGCTAGACTCCTCCCGGCCAGTACCAGGAGAAGTATAAACAGGTGGAGCAGTA
 CATGTCCTTCCACAAGCTCCCGCCTGACACCCGACAGCGCATCCATGACTACTATGAACACCGCTACCAA
 GGCAAGATGTTTATGATGAGGAAAGCATCTGGGTGAGCTGAGTGAGCCACTTCGAGAGGAGATCATCAACT
 TTAAGTCCGAAAGCTGGTGGCATCCATGCCACTGTTTGGCAACGCAGATCCCAACTTTGTGACATCCAT
 GCTGACCAAGTTGCGTTTCGAGGCTTCCAGCCTGGGGATTACATCATCCGGAAGGCACCATCGGCAAG
 AAGATGTACTTTATCCAGCACGGCGTGGTCAGCGTGCTCACTAAGGGCAACAAGAGACCAAGCTGGCTG
 ATGGCTCCTATTTTGGAGAGATCTGCTTGCTGACCCGGGTGCGGCACAGCCAGCGTCAGAGCGGATAC
 TTATTGCCGCTCTACTACTGAGCGTGGACAACCTTCAATGAGGTGCTGGAGGAGTATCCCATGATGCGG
 AGGGCCTTCGAGACGGTTGCGCTGGACCGCTGGACCGCATAGGCAAGAAGAAGTCCATCCTCCTCCACA
 AGGTGCAGCACGACCTCAACTCAGGCGTCTTAACTACCAAGAGAACGAGATCATCCAGCAGATCGTGCG
 GCATGACCGTGAGATGGCCACTGTGCTCACCGCTCCAGGCTGCCGCTCAGCCACCCCAACCCCAAGC
 CCTGTTATATGGACCCCGCTGATCCAGGCGCCACTGCAGGCTGCTGCTACTACTTCCGGTGGCCATAG
 CCCTCACACACCCCGCTGCCGCGCCATCTCCGGCCCTCCCGACCTGGGCTGGGCAACCT
 TGGGGCTGGACAGACACCGAGGCACCAAGGAGGCTGCAGTCTTGATCCCTTCAGCTCTGGGCTGCTG
 TCACCCGCCAGCAGCCCTCACAGGTGGACACACCGTCTTCATCCTCCTCCACATCCAACAGCTGGCTG
 GATTCTCTGCACCTCCTGGATTGAGCCCTCTCCTGCCCTCCTTAGCTCTTCCCACTCCAGGAGCCTG
 CGGTTCCCAACAGCCCCACACCTCCACCTCCACTGCCGCGCGCCCTCCACCACTGGGTTCCGGCCAC
 TTTACAAGGCGCTGGTGGCTCCCTGTATCCTGACTCCCGCTGCTCACCCACTGCAACCAAGGCG
 CTCGCTCTCCACAGGCTGCCAGCCACCCCACTGCCTGGGGCCGAGGAGGCTGGGACTCCTGGA
 GCATCTTGGCGCCCCACCTCCTCCAGGTACCATCATCCAGCCTGGGCAGCTGGGCCAGCCTCCT
 GGAGAGTTGTCCTAGGTCTGGCAGTGGTCCATCAAGTACACAGAGACACCCCAAGGCGCTGAGCGAC
 CATCCTCATGGCAGGGCCTCTGGAGGGCTTCTCCTGTAGCCTTTACCCCGAGGAGGCCTCAGTCC
 TCCGGCCACAGCCCGGGCCCAAGAAGTTCCTGAGTGGCCACCCCGGGCCTCTGGTCCCATGGT
 TCCCTGCTCCTGCCACCTGCATCCAGCCCTCCACCTCCCAAGTCCACAGCGCAGGGGCACACCCCT
 TCAACCTGGCCGCTCACACAGGACCTGAAGCTCATCTCAGCCTCTCAGCCAGCCTCCCAAGGATGG
 GGCACAGACTCTCCGAGGGCCTCGCCTCACTCCTCAGGGGAGTCGGTGGCTGCCTTCTCACTCTACCC
 AGAGCTGGGGTGGCAGTGGGAGTAGTGGGGCCTTGGGCTCCTGGAAGGCCATATGGTGCATCCCAAG
 GCAACATGTCACTTTGCTCGGAAGACATCCTCAGGTTCTTTGCCACCCCACTTTCTTTGTTGGGGC
 AAGAGCCGCTCTTCTGGAGGGCCCTCTGACTACTGCTGCACCCAGAGGGAACCTGGCGTAGGTCT
 GAGCCAGTACGCTCCAACTGCCGTCTAATTTATGA

ACGCGTACGCGCGCCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001081192
 Insert Size: 3606 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_001081192.1](#), [NP_001074661.1](#)

RefSeq Size: 3798 bp

RefSeq ORF: 3606 bp

Locus ID: 330953

Cytogenetics: 9 B