

Product datasheet for **SC121938**

HCN3 (NM_020897) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HCN3 (NM_020897) Human Untagged Clone
Tag:	Tag Free
Symbol:	HCN3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_020897, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGCAGAGCAGCGGCCGGCGGGGGCCAGCGAAGGGGCGACCCCTGGACTGGAGGCGGTGCCTC
CCGTTGCTCCCCCGCCTGCGACCGCGGCCTCAGGTCCGATCCCCAAATCTGGGCCTGAGCCTAAGAGGAG
GCACCTTGGGACGCTGCTCCAGCCTACGGTCAACAAGTTCTCCCTTCGGGTGTTCCGGCAGCCACAAAGCA
GTGGAATCGAGCAGGAGCGGGTGAAGTCAGCGGGGGCCTGGATCATCCACCCCTACAGCGACTTCCGGT
TTTACTGGGACCTGATCATGCTGCTGCTGATGGTGGGGAACCTCATCGTCCTGCCTGTGGGCATCACCTT
CTTCAAGGAGGAGAACTCCCCGCCTTGGATCGTCTTCAACGTATTGTCTGATACTTTCTTCTACTGGAT
CTGGTGTCTCAACTCCGAACGGGCATCGTGGTGGAGGAGGGTGTGAGATCCTGTGGCACCAGCGGGCCA
TCCGCACGCGCTACCTGCGCACCTGGTTCTGGTTGACCTCATCTCTTCTATCCCTGTGGATTACATCTT
CCTAGTGGTGGAGCTGGAGCCACGGTTGGACGCTGAGGTCTACAAAACGGCACGGGCCCTACGCATCGTT
CGCTTCACCAAGATCCTAAGCCTGCTGAGGCTGCTCCGCCTCTCCCGCCTCATCCGTACATACACCAGT
GGGAGGAGATCTTTCACATGACCTATGACCTGGCCAGTGTGTGGTTCGCATCTTCAACCTCATTGGGAT
GATGCTGCTGCTATGTCACTGGGATGGGTGTCTGCAAGTTCCTGGTGCCCATGCTGCAGGACTTCCCTCCC
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AGGCCATGAGCCACATGTGTGATTGGCTATGGGCAGCAGGCACCTGTAGGCATGCCCGACGTCTGGCT
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GGCCTGGTGGCCACATGCCGCTGTTTGCCCATGCCACCCAGCTTCGTCACTGCAGTTCTACCAAGC
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CCAAGTCCAGGCAGCAGTGGTGGCATCATGGAGCAGCACTTGGTGCAACATGACAGAGACATGGCTCGGG
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CTGCCCCCTCTCCCTGACTCTCCAGCCACCCTCCTTGCTCGCTCTGCTTGGCGCTCAGCAGGCTCTCCAG
CTTCCCCGCTGGTGCCCGTCCGAGCTGGCCATGGGCATCCACCTCCCGCTGCCCGCCCCACCTGCCCG
AACCCTGCACGCCAGCCTATCCCGGGCAGGGCGCTCCAGGTCTCCCTGTGGTCCCCCTCCAGGAGGA
GGTGGACGGCGGCTAGGACCTCGGGGCCGCCACTCTCAGCCTCCCAACCCTCTCTGCCTCAGCGGGCAA
CAGGCGATGGCTCTCTGGGCGTAAGGGATCAGGAAGTGAGCGGCTGCCTCCCTCAGGGCTCCTGGCCAA
ACCTCCAAGGACAGCCCGAGCCCCCAGGCCACCAAGTGCCTGAGCCAGCCACACCCCGGGTCTCCAGCTT
TCTGCCAACATGTAA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020897 unedited
 NAAGTCGAAATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACCAGCTCCGCTA
 GAGCCCGCGGGGCTGCGCCGACTCCTGCTCTGGAGGGGTTCGGGTACCTGATGGCCACA
 GAGGGCTCTAGGAGGCCGAGCGTGTAAAGCGGGTGGGCGCCATGGAGGCAGAGCAGCGGC
 CGGCGCGGGGGCCAGCGAAGGGGCGACCCCTGGACTGGAGGCGGTGCCTCCCGTTGCTC
 CCCCCTGCGACCGCGGCTCAGGTCCGATCCCCAAATCTGGGCTGAGCCTAAGAGGA
 GGCACCTTGGGACGCTGCTCCAGCCTACGGTCAACAAGTTCTCCCTTCGGGTGTTTCGGCA
 GCCACAAAGCAGTGAAATCGAGCAGGAGCGGGTGAAGTCAGCGGGGCGCTGGATCATCC
 ACCCTACAGCGACTTCCGGTTTACTGGGACCTGATCATGCTGCTGCTGATGGTGGGA
 ACCTCATCGTCTGCCTGTGGGCATCACCTTCTCAAGGAGGAGAACTCCCCGCTTGA
 TCGTCTTCAACGTATTGTCTGATACTTTCTTCTACTGGATCTGGTCTCAACTCCGAA
 CGGGCATCGTGGTGGAGAGGGTCTGAGATCCTGCTGGCACCAGCGGGCCATCCGACGC
 GCTACCTGCGCACCTGGTTCCTGGTTGACCTCATCTTCTATCCCTGTGGATTACATCT
 TCCTAGTGGTGGAGCTGGAGCCACGGTTGGACGCTGAGGTCTACAAAACGGCAGGGCCC
 TACGCATCGTTTCCTTACCAAGATCCTAAGCCTGCTGAGGCTGCNTCGCTCTCCCGCC
 TCATCCGCTACATACACCAGTGGNAGGAGATCTTTCACATGACCTATGACCTGGCCAGT
 GCTGTGGNTTCGAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_020897 unedited
 ACTTCCAGGCCAGGAGAGGCACTGGGGAGNGGTCACAGGGATGCCACCCGGGATCTGTTT
 AGGAAACAGCTATGACCGCGGCCGAATCTAGAGTCGAGTTTTTTTTTTGTTTTTTGAG
 TGTGTCTATTTGATATTTAAACCCAGCTGTTTGAAGCAATTATAAACTTCTCCACAC
 ACCAAGAACCCAGAACTCCCCACCCAGAAAGGAGAGCTTAGGGTCTGGTCCACACA
 GTCTTTAATGCTGTAGAGTAGGAGAGGGGACAGGCAGAGTGAGGGTGGTAAAGGACTACT
 CTTGTCCCTGAGAAGGCAGAGGTGCTGGCTGGCCTGCCCTTCCCCAGGCTTGGATACCTT
 GGGCCTTTCCCTATTCTGCACCAACAGCAAACCTCAGAAAGGAAAAAACAACAACT
 CTAAAGGTAAACACGGTCTCTCTCCCTCTCTCATGTGGCTCCTCTGCCCTACCTGGGA
 GAAGGTCAAGTATTGCGCTGATGGGTTTGGGCAAGGACCACAGAGGCTGGCATGGAGAG
 GCCCTGCCTCCTCTACTCCTCTGTCTCCTTACCTGANAAGGAGGGGAGGGATGGATAA
 AGGAATGGGTAAACAAAATTAATTGGTAACACATAAAGTTAGTAAATGAATAAATAAAT
 TAAATAAATGAATAAATAAACAAGCGAAGAAAAAATATCACACAAGGATTCAGCCATTT
 GCCCTCCACCGGG

Restriction Sites:

NotI-NotI

ACCN:

NM_020897

Insert Size:

4000 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:	<u>NM_020897.1, NP_065948.1</u>
RefSeq Size:	3717 bp
RefSeq ORF:	2325 bp
Locus ID:	57657
UniProt ID:	<u>Q9P1Z3</u>
Cytogenetics:	1q22
Protein Families:	Druggable Genome, Ion Channels: Cyclic nucleotide gated, Transmembrane
Gene Summary:	This gene encodes a multi-pass membrane protein that functions as a voltage gated cation channel. The encoded protein is a member of a family of closely related cyclic adenosine monophosphate-binding channel proteins. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012] Transcript Variant: This variant (1) represents the longer transcript and encodes the protein.