

Product datasheet for **RC216099**

HCN3 (NM_020897) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HCN3 (NM_020897) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HCN3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC216099 representing NM_020897
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGCAGAGCAGCGCCGGCGGGGCCAGCGAAGGGGCGACCCCTGGACTGGAGGCGGTGCCTC
 CGTTGCTCCCCGCCTGCGACCGCGCCTCAGGTCCGATCCCCAAATCTGGGCCTGAGCCTAAGAGGAG
 GCACCTTGGGACGCTGCTCCAGCCTACGGTCAACAAGTTCTCCCTTCGGGTGTTCCGGCAGCCACAAAGCA
 GTGAAATCGAGCAGGAGCGGGTGAAGTCAGCGGGGGCCTGGATCATCCACCCCTACAGCGACTTCCGGT
 TTTACTGGGACCTGATCATGCTGCTGCTGATGGTGGGAACCTCATCGTCTGCCTGTGGGCATCACCTT
 CTTCAAGGAGGAGAACTCCCCGCCTGGATCGTCTTCAACGTATTGTCTGATACTTTCTTCTACTGGAT
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 ACCTCCAAGGACAGCCAGCCCCCAGGCCACCAAGTGCCTGAGCCAGCCACACCCGGGGTCTCCAGCTT
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ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC216099 representing NM_020897
Red=Cloning site Green=Tags(s)

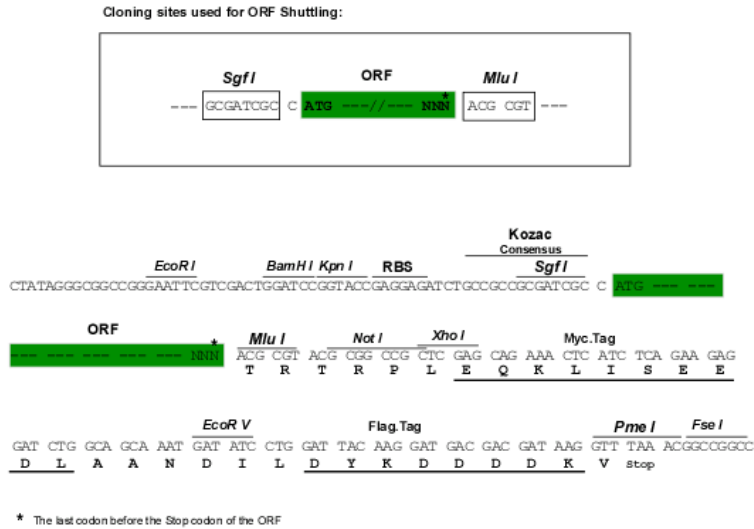
MEAEQRPAAGASEGATPGLAAPPVAPPATAASGPIPKSGPEPKRRHLGTLTLLQPTVNFSLRVFGSHKA
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DCWVSINHMVNSWGRQYSHALFKAMSHMLCIGYQQAPVGMVDVWLTMLSMIVGATCYAMFIGHATALI
QSLDSSRRQYQEKYKQVEQYMSFHKLPAATRQRIHEYYEHRYQGKMFDEESILGELSEPLREEIINFCTC
GLVAHMPLEFAHADPSFVAVLTKLRFEVFPQGDVVREGSVGRKMYFIQHGLLSVLARGARDRLTDGSY
FGEICLLTRGRRTASVRADTYCRLYSLSVDHFNALVEEFPMRRRAFETVAMDRLLRIGKKNSILQRKRSE
PSPGSSGGIMEQHLVQHDRDMARGVRGRAPSTGAQLSGKPVLWEPLVHAPLQAAAVTSNVAIALTHQRP
LPLSPDSPATLLARSAWRSAGSPASPLVPVRAGPWASTSRLPAPPARTLHASLSRAGRSQVSLGPPPGG
GRRRLGPRGRPLSASQPSLPQRATGDGSPGRKSGSERLPPSGLLAKPPRTAQPPRPPVPEPATPRGLQL
SANM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6163_b12.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



ACCN: NM_020897

ORF Size: 2322 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_020897.3](#)

RefSeq Size: 3717 bp

RefSeq ORF: 2325 bp

Locus ID: 57657

UniProt ID: [Q9P1Z3](#)

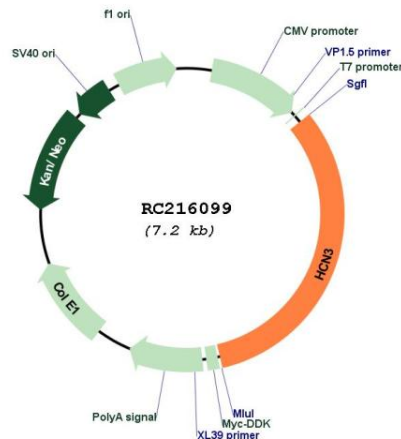
Cytogenetics: 1q22

Protein Families: Druggable Genome, Ion Channels: Cyclic nucleotide gated, Transmembrane

MW: 85.9 kDa

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]

Product images:



Circular map for RC216099