

Product datasheet for **RR212406**

Hcn3 (NM_053685) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hcn3 (NM_053685) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hcn3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RR212406 representing NM_053685
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

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 CGGCTCCCGCCAGGCCCGCGCGCCTCAGGTGGGTGCCAGAGTCTGCCCCGAGCCGAAGAGGCGGCA
 GCTCGGACGCTGCTGCAGCCGACCGTCAACAAGTTCTCTCCGGTCTTCGGCAGCCAAAAGCGGTG
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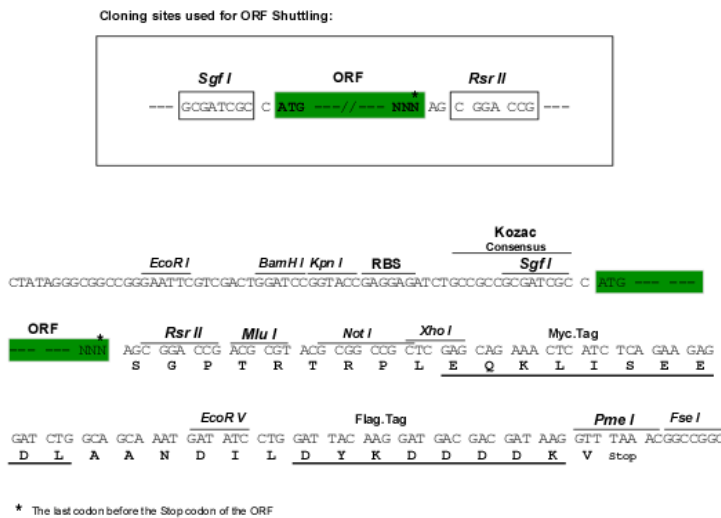
Protein Sequence: >RR212406 representing NM_053685
 Red=Cloning site Green=Tags(s)

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VLNFRGTIVVEEGAEILLAPRAIRTRYLRWFLVDLISSIPVDYIFLVVELEPRLDAEVYKTARALRIVR
FTKILSLLRLLRSLIRYMHQWEEIFHMTYDLASAVVRIFNLI G M L L L C H W D G C L Q F L V P M L Q D F P S D
CWVSMNRMVNHWSGRQYSHALFKAMSHMLCIGYQQAPVGMVDVWLTMLSMIVGATCYAMFIGHATALIQ
SLDSSRRQYQEKYKQVEQYMSFHKLPA D T R Q R I H E Y Y E H R Y Q G K M F D E E S I L G E L S E P L R E E I I N F T C R G
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Restriction Sites: SgfI-RsrII

Cloning Scheme:



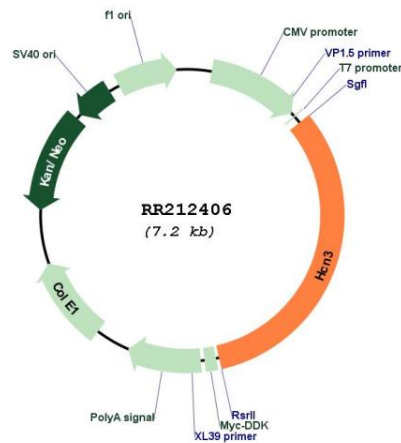
ACCN: NM_053685

ORF Size: 2340 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:	<ol style="list-style-type: none"> 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_053685.1, NP_446137.1</u>
RefSeq Size:	2343 bp
RefSeq ORF:	2343 bp
Locus ID:	114245
UniProt ID:	<u>Q9JKA8</u>
Cytogenetics:	2q34
MW:	86.8 kDa
Gene Summary:	may play a role in generation of neuronal pacemaker activity [RGD, Feb 2006]

Product images:


Circular map for RR212406