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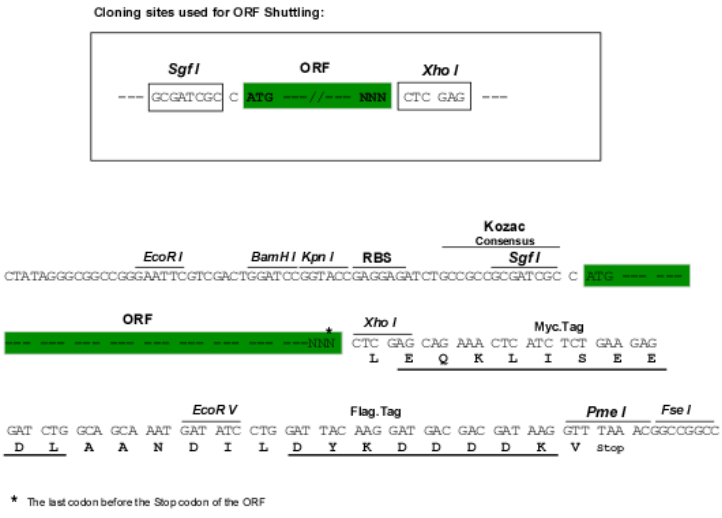
Product datasheet for RC216770

HCN4 (NM_005477) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HCN4 (NM_005477) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HCN4
Synonyms:	SSS2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Restriction Sites:	SgfI-XhoI
Cloning Scheme:	

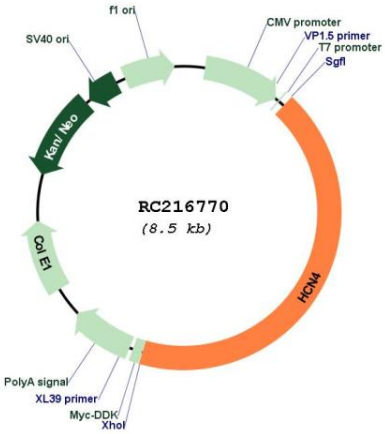


ACCN:	NM_005477
ORF Size:	3609 bp

View online »

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_005477.3
RefSeq Size:	5065 bp
RefSeq ORF:	3612 bp
Locus ID:	10021
UniProt ID:	Q9Y3Q4
Cytogenetics:	15q24.1
Domains:	cNMP, ion_trans
Protein Families:	Druggable Genome, Ion Channels: Cyclic nucleotide gated, Transmembrane
MW:	128.9 kDa
Gene Summary:	This gene encodes a member of the hyperpolarization-activated cyclic nucleotide-gated potassium channels. The encoded protein shows slow kinetics of activation and inactivation, and is necessary for the cardiac pacemaking process. This channel may also mediate responses to sour stimuli. Mutations in this gene have been linked to sick sinus syndrome 2, also known as atrial fibrillation with bradyarrhythmia or familial sinus bradycardia. Two pseudogenes have been identified on chromosome 15. [provided by RefSeq, Oct 2008]

Product images:



Circular map for RC216770