

Product datasheet for **RC216770L3V**

HCN4 (NM_005477) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	HCN4 (NM_005477) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HCN4
Synonyms:	SSS2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_005477
ORF Size:	3609 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216770).
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.
RefSeq:	NM_005477.1
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



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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]