

## Product datasheet for **RC218290L1V**

### SCN4A (NM\_000334) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	SCN4A (NM_000334) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SCN4A
Synonyms:	CMS16; HOKPP2; HYKPP; HYPP; Na(V)1.4; NAC1A; Nav1.4; SkM1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_000334
ORF Size:	5508 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218290).
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. <a href="#">More info</a>
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:	<a href="#">NM_000334.3</a>
RefSeq Size:	7823 bp
RefSeq ORF:	5511 bp
Locus ID:	6329
UniProt ID:	<a href="#">P35499</a>
Cytogenetics:	17q23.3
Protein Families:	Druggable Genome, Ion Channels: Sodium, Transmembrane
MW:	207.9 kDa



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**Gene Summary:**

Voltage-gated sodium channels are transmembrane glycoprotein complexes composed of a large alpha subunit with 24 transmembrane domains and one or more regulatory beta subunits. They are responsible for the generation and propagation of action potentials in neurons and muscle. This gene encodes one member of the sodium channel alpha subunit gene family. It is expressed in skeletal muscle, and mutations in this gene have been linked to several myotonia and periodic paralysis disorders. [provided by RefSeq, Jul 2008]