

Product datasheet for **RC222459L1V**

SCN2A (NM_021007) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SCN2A (NM_021007) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SCN2A
Synonyms:	BFIC3; BFIS3; BFNIS; DEE11; EA9; EIEE11; HBA; HBSCI; HBSCII; Na(v)1.2; NAC2; Nav1.2; SCN2A1; SCN2A2
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_021007
ORF Size:	6015 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222459).
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_021007.2
RefSeq Size:	8876 bp
RefSeq ORF:	6018 bp
Locus ID:	6326
UniProt ID:	Q99250
Cytogenetics:	2q24.3
Domains:	IQ, ion_trans



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Protein Families:	Druggable Genome, Ion Channels: Sodium, Transmembrane
MW:	228 kDa
Gene Summary:	Voltage-gated sodium channels are transmembrane glycoprotein complexes composed of a large alpha subunit with four repeat domains, each of which is composed of six membrane-spanning segments, and one or more regulatory beta subunits. Voltage-gated sodium channels function in the generation and propagation of action potentials in neurons and muscle. This gene encodes one member of the sodium channel alpha subunit gene family. Allelic variants of this gene are associated with seizure disorders and autism spectrum disorder. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2016]