

Product datasheet for **RC223887L1V**

Nav1.6 (SCN8A) (NM_014191) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Nav1.6 (SCN8A) (NM_014191) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SCN8A
Synonyms:	BFIS5; CERIII; CIAT; DEE13; EIEE13; MED; MYOCL2; NaCh6; Nav1.6; PN4
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_014191
ORF Size:	5940 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC223887).
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_014191.1
RefSeq Size:	7008 bp
RefSeq ORF:	5943 bp
Locus ID:	6334
UniProt ID:	Q9UQD0
Cytogenetics:	12q13.13
Protein Families:	Druggable Genome, Ion Channels: Sodium, Transmembrane
MW:	225.1 kDa



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Gene Summary:

This gene encodes a member of the sodium channel alpha subunit gene family. The encoded protein forms the ion pore region of the voltage-gated sodium channel. This protein is essential for the rapid membrane depolarization that occurs during the formation of the action potential in excitable neurons. Mutations in this gene are associated with cognitive disability, pancerebellar atrophy and ataxia. Alternate splicing results in multiple transcript variants.[provided by RefSeq, May 2010]