

## Product datasheet for **RC223951L4V**

### SCN4B (NM\_174934) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	SCN4B (NM_174934) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SCN4B
Synonyms:	ATFB17; LQT10; Navbeta4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_174934
ORF Size:	684 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC223951).
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_174934.1</a>
RefSeq Size:	4489 bp
RefSeq ORF:	687 bp
Locus ID:	6330
UniProt ID:	<a href="#">Q8IWT1</a>
Cytogenetics:	11q23.3
Protein Families:	Ion Channels: Sodium, Transmembrane
MW:	22 kDa



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**Gene Summary:**

The protein encoded by this gene is one of several sodium channel beta subunits. These subunits interact with voltage-gated alpha subunits to change sodium channel kinetics. The encoded transmembrane protein forms interchain disulfide bonds with SCN2A. Defects in this gene are a cause of long QT syndrome type 10 (LQT10). Three protein-coding and one non-coding transcript variant have been found for this gene.[provided by RefSeq, Mar 2009]