

Product datasheet for **RC223574L1V**

CACNA1S (NM_000069) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CACNA1S (NM_000069) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CACNA1S
Synonyms:	CACNL1A3; Cav1.1; CCHL1A3; HOKPP; HOKPP1; hypoPP; MHS5; TTPP1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_000069
ORF Size:	5619 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC223574).
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_000069.1 , NP_000060.1
RefSeq Size:	6160 bp
RefSeq ORF:	5622 bp
Locus ID:	779
UniProt ID:	Q13698
Cytogenetics:	1q32.1
Protein Families:	Druggable Genome, Ion Channels: Calcium, Transmembrane



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Protein Pathways:	Alzheimer's disease, Arrhythmogenic right ventricular cardiomyopathy (ARVC), Calcium signaling pathway, Cardiac muscle contraction, Dilated cardiomyopathy, GnRH signaling pathway, Hypertrophic cardiomyopathy (HCM), MAPK signaling pathway, Vascular smooth muscle contraction
MW:	212.2 kDa
Gene Summary:	This gene encodes one of the five subunits of the slowly inactivating L-type voltage-dependent calcium channel in skeletal muscle cells. Mutations in this gene have been associated with hypokalemic periodic paralysis, thyrotoxic periodic paralysis and malignant hyperthermia susceptibility. [provided by RefSeq, Jul 2008]