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Product datasheet for RC207229L1V

CACNB3 (NM_000725) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CACNB3 (NM_000725) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CACNB3
Synonyms:	CAB3; CACNLB3
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_000725
ORF Size:	1452 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC207229).`
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_000725.2
RefSeq Size:	2714 bp
RefSeq ORF:	1455 bp
Locus ID:	784
UniProt ID:	P54284
Cytogenetics:	12q13.12
Domains:	Ca_channel_B, GuKc
Protein Families:	Druggable Genome, Ion Channels: Other

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Protein Pathways: Arrhythmogenic right ventricular cardiomyopathy (ARVC), Cardiac muscle contraction, Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM), MAPK signaling pathway

MW: 54.4 kDa

Gene Summary: This gene encodes a regulatory beta subunit of the voltage-dependent calcium channel. Beta subunits are composed of five domains, which contribute to the regulation of surface expression and gating of calcium channels and may also play a role in the regulation of transcription factors and calcium transport. [provided by RefSeq, Oct 2011]