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Product datasheet for RC210303L4V

KCNE3 (NM_005472) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	KCNE3 (NM_005472) Human Tagged ORF Clone Lentiviral Particle
Symbol:	KCNE3
Synonyms:	BRGDA6; HOKPP; HYPP; MiRP2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005472
ORF Size:	309 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC210303).`
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_005472.3
RefSeq Size:	3070 bp
RefSeq ORF:	312 bp
Locus ID:	10008
UniProt ID:	Q9Y6H6
Cytogenetics:	11q13.4
Protein Families:	Druggable Genome, Ion Channels: Other, Transmembrane
MW:	11.7 kDa

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Gene Summary: Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. This gene encodes a member of the potassium channel, voltage-gated, isk-related subfamily. This member is a type I membrane protein, and a beta subunit that assembles with a potassium channel alpha-subunit to modulate the gating kinetics and enhance stability of the multimeric complex. This gene is prominently expressed in the kidney. A missense mutation in this gene is associated with hypokalemic periodic paralysis. [provided by RefSeq, Jul 2008]