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Product datasheet for RC215271L3V

KCNH7 (NM_033272) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	KCNH7 (NM_033272) Human Tagged ORF Clone Lentiviral Particle
Symbol:	KCNH7
Synonyms:	ERG3; HERG3; Kv11.3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_033272
ORF Size:	3588 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215271).
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_033272.2
RefSeq Size:	4225 bp
RefSeq ORF:	3591 bp
Locus ID:	90134
UniProt ID:	Q9NS40
Cytogenetics:	2q24.2
Domains:	cNMP, ion_trans
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Ion Channels: Other, Transmembrane

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MW: 134.8 kDa

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, subfamily H. This member is a pore-forming (alpha) subunit. There are at least two alternatively spliced transcript variants derived from this gene and encoding distinct isoforms. [provided by RefSeq, Jul 2008]