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Product datasheet for SC331607

KCNH2 (NM_001204798) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCNH2 (NM_001204798) Human Untagged Clone
Tag:	Tag Free
Symbol:	KCNH2
Synonyms:	ERG-1; ERG1; H-ERG; HERG; HERG1; Kv11.1; LQT2; SQT1
Vector:	pCMV6-Entry (PS100001)
Restriction Sites:	SgfI-MluI
ACCN:	NM_001204798
Insert Size:	1647 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001204798.1
RefSeq Size:	2463 bp
RefSeq ORF:	1647 bp
Locus ID:	3757

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UniProt ID:	Q12809
Cytogenetics:	7q36.1
Protein Families:	Druggable Genome, Ion Channels: Potassium, Transcription Factors, Transmembrane
MW:	61 kDa
Gene Summary:	This gene encodes a voltage-activated potassium channel belonging to the eag family. It shares sequence similarity with the Drosophila ether-a-go-go (eag) gene. Mutations in this gene can cause long QT syndrome type 2 (LQT2). Transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (4) differs in the 5' and 3' UTRs and 5' and 3' coding regions compared to variant 1, resulting in a shorter isoform (d) with different N- and C-termini compared to isoform a.

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