

## Product datasheet for **SC205466**

### **KCNH2 (NM\_172057) Human 3' UTR Clone**

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** KCNH2 (NM\_172057) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** KCNH2  
**Synonyms:** ERG-1; ERG1; H-ERG; HERG; HERG1; Kv11.1; LQT2; SQT1  
**ACCN:** NM\_172057  
**Insert Size:** 412 bp  
**Insert Sequence:** >SC205466 3' UTR clone of NM\_172057  
The sequence shown below is from the reference sequence of NM\_172057. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site  
**Blue**=Stop Codon

CAATTGGCAGAGCTCAGAATTCAAGCGATCGC

CCTGCACAGACACGGCTCGGACCCGGGCAGT**TAG**TGGGGCTGCCAGTGTGGACAGTGGCTCACCCAGG  
GATCAAGGCGCTGCTGGGCCGCTCCCCTTGGAGGCCCTGCTCAGGAGGCCCTGACCGTGAAGGGGAGAG  
GAACTCGAAAGCACAGCTCCTCCCCAGCCCTTGGGACCATCTTCTCCTGCAGTCCCCTGGGCCCAAGT  
AGAGGGGCAGGGCAGGGCCGGCAGTAGGTGGGCCTGTGGTCCCCCACTGCCCTGAGGGCATTAGCTG  
GTCTAACTGCCCGGAGGCACCCGGCCCTGGGCCTTAGGCACCTCAAGGACTTTTCTGCTATTTACTGCTC  
TTATTGTTAAGGATAATAATTAAGGATCATATGAATAATTAATGAAGATGCTGATGACTATG

**ACGCGT**AAGCGCCGCGGCATCTAGATTGAAGAAAATGACCG

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_172057.1](#)



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**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]

**Locus ID:** 3757