

Product datasheet for RG206502

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OriGene Technologies, Inc.

KCNE1L (KCNE5) (NM_012282) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: KCNE1L (KCNE5) (NM_012282) Human Tagged ORF Clone

Tag: TurboGFP
Symbol: KCNE1L
Synonyms: KCNE1L

Selection:

Mammalian Cell

Neomycin

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG206502 representing NM_012282

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

CGGGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG206502 representing NM_012282

Red=Cloning site Green=Tags(s)

MNCSESQRLRTLLSRLLLELHHRGNASGLGAGPRPSMGMGVVPDPFVGREVTSAKGDDAYLYILLIMIFY ACLAGGLILAYTRSRKLVEAKDEPSQACAEHEWAPGGALTADAEAAAGSQAEGRRQLASEGLPALAQGAE

RV

TRTRPLE - GFP Tag - V

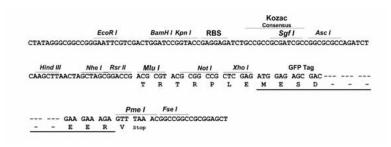
Restriction Sites: Sgfl-Mlul





Cloning Scheme:





ACCN: NM_012282

ORF Size: 426 bp

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.

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.

RefSeq: <u>NM 012282.4</u>

 RefSeq Size:
 1465 bp

 RefSeq ORF:
 429 bp

 Locus ID:
 23630

 UniProt ID:
 Q9U|90



Cytogenetics: Xq23

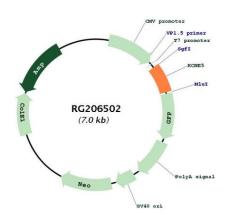
Protein Families: Druggable Genome, Ion Channels: Other, Transmembrane

Gene Summary: This gene encodes a member of a family of single pass transmembrane domain proteins that

function as ancillary subunits to voltage-gated potassium channels. Members of this family affect diverse processes in potassium channel regulation, including ion selectivity, voltage dependence, and anterograde recycling from the plasma membrane. Variants of this gene are associated with idiopathic ventricular fibrillation and Brugada syndrome. [provided by

RefSeq, Nov 2016]

Product images:



Circular map for RG206502