

Product datasheet for **RG212086**

KCNRG (NM_199464) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCNRG (NM_199464) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KCNRG
Synonyms:	DLTET
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG212086 representing NM_199464 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTAGTCAGGAAGTGGTCACTTTGAATGTGGGAGGGAAGATATTCACGACAAGGTTTCTACGATAA
 AGCAGTTTCCTGCTTCTCGTTTGGCACGCATGTTAGATGGCAGAGACCAAGAATTCAGATGGTTGGTGG
 CCAGATTTTGTAGACAGAGATGGTGATTTGTTTAGTTTCATCTTAGATTTTGTGAGAACTACCAGCTT
 TTATTACCACTGAATTTTCAGACTATCTTAGGCTTCAGAGAGAGGCTCTTTCTATGAAGTTCGTTCTC
 TAGTTGATCTCTTAAACCCATACCTGCTACAGCCAAGACCTGCTCTTGTGGAGGTACATTCCTAAGCCG
 GAACACTCAAGCTTTTTTCAGGGTGTGGCTCTTGACAGCAAAACAATTGAGATGCTAACAGGGAGGATT
 ACAGTGTTTACAGAAACCTTCAGCGCCGACCTGGAATGGTAACTTTTCCCTCCTCAGATGACCTTAC
 TTCCACTGCCTCCACAAAGACCTTCTTACCATGACCTGGTTTTCCAGTGTGGTTCTGACAGCACTACTGA
 TAACCAAAGTGGAGTCAGGCTGGTATGCAATGGCGTGATCTCGGCTCACCACAACCTCCGCTCTGGGGT
 TCAAGTGATTCTCCTGCCTCAGCTCCCGAGTAGCTGGGATTACAGGTATGTTTCTA

ACGCGTACGCGGCGGCTCGAG - GFP Tag - GTTTAA


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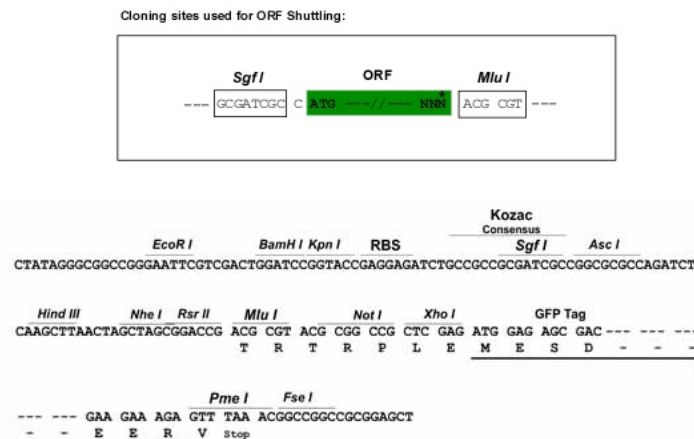
Protein Sequence: >RG212086 representing NM_199464
 Red=Cloning site Green=Tags(s)

MSSQELVTLNVGGKIFTTRFSTIKQFPASRLARMLDGRDQEFKMGVGGQIFVDRDGDLSFILDFLRTHQL
 LLPTEFSDYLRQLREALFYELRSLVDLLNPYLLQPRPALVEVHFLSRNTQAFFRVFGSCSKTIEMLTGRI
 TVFTEQPSAPTWNGNFFPPQMTLLPLPPQRPSTYHDLVFQCGSDSTTDNQTGVRLVCNGVISAHNLRLLWG
 SSDSPASASRVAGITGMFL

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_199464

ORF Size: 687 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: [NM_199464.3](#)

RefSeq Size: 1625 bp

RefSeq ORF: 690 bp

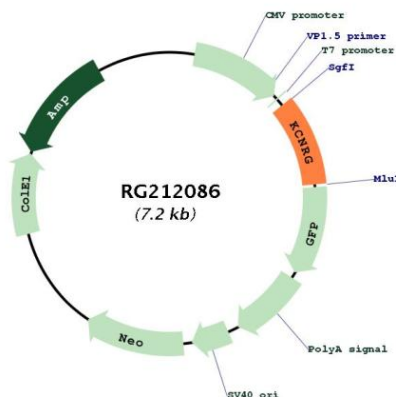
Locus ID: 283518

UniProt ID: [Q8N5I3](#)

Cytogenetics: 13q14.2

Gene Summary: This gene encodes a protein which regulates the activity of voltage-gated potassium channels. This gene is on chromosome 13 and overlaps the gene for tripartite motif containing 13 on the same strand. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2012]

Product images:



Circular map for RG212086