

Product datasheet for **MC214525**

Kcnrg (NM_206974) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kcnrg (NM_206974) Mouse Untagged Clone
Tag: Tag Free
Symbol: Kcnrg
Synonyms: Cllld4; E030012H22Rik; Gm745
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC214525 representing NM_206974
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGTGGTCAGGACCTCGTCACTTTGAATGTGGGAGGAGGATATTCACAACAAGGCCCTCTACCCCTCA
AGCAGTTCCTCGCTCTCGCTTGGCAGGCATGTTAGATGGCAGAGACCAAGAGTTCAAGACAGTTGATGG
CCAGATTTTTGTGGACAGAGATGGTGCTTTATTTAGTTTCATTTTAGATTTTTTGAGAAATCATGAGCTT
CTGTTACCTCGGACTTTGCAGACCATCATAGGCTTCAGAGAGAGGCTCTTTTCTATGAACCTTGATTCTC
TTGTTGATCTCTTAAGCCAATTCCTGCTCCAATCAAGATCTGCTGTGATGGAGGTCCATTTCTAAACCA
AAATACTCAAGCCTTCTTCAGAGTGTGGCTCTTGCAGCAAAACAATCGAGATGCTAAGTGGGAGGATT
ACAATGTTGTAGAGCGACCCACAGCACTGACCGGGAACAGGAACCTCCCTCTGGCTTTACCTCCACAAA
GACCTTCTACCACGATCTGCTTTTCCACTGTGGCTCCGATGGCGCTGCTGAGAACCAAGCTGGAGTCAG
GTATTTTGAATGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_206974
Insert Size: 576 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).



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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:	<ol style="list-style-type: none">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_206974.1</u> , <u>NP_996857.1</u>
RefSeq Size:	1832 bp
RefSeq ORF:	576 bp
Locus ID:	328424
UniProt ID:	<u>Q2TUM3</u>
Cytogenetics:	14 D1
Gene Summary:	Inhibits potassium fluxes in cells. May regulate Kv1 family channel proteins by retaining a fraction of channels in endomembranes (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate splice site in the coding region, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.