

Product datasheet for **MC207541**

Kcne4 (NM_021342) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kcne4 (NM_021342) Mouse Untagged Clone
Tag: Tag Free
Symbol: Kcne4
Synonyms: AW487937; MiRP3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207541 representing NM_021342
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTGAGGATGGAGCCTCTGAACAGCACATACCCAGCGCTGCAGCCTCCAGCAGCCCCCTCGAGTCCC
ATGTGCCTAGTAACAGCAGTGGTAATGGCAATGAATACTTCTATATTTTGGTCGTATGCCTTCTATGG
CGTTTTCTGATCGGAATCATGTGGGCTACATGAAATCCAAGAGCGGGAGAAGAAGTCCAGCCTTCTG
CTGTTGTACAAAGACGAGGAGAGGCTGTGGGGGAGGCTATGAAGCCGCTACCTATGATGTCGGCTTGA
GGTCAGGGCAGGTGCCATGATGCTGAATATGCTGCAGGAGAGTGTGGCCCGGCACTGTCTGCACTCT
TTGCTCGATGGAAGGGGACAGTGTGAGCTCCGAGTCTCCTCTCTGATGTGCACCTTCCATCCAGGAG
GAGGGGCTGATGACGAGCTGGAGGAGACCTCCGAGACGCTCTCAACGACAGCAGTGAAGGCTCTTCCG
AGAACATCCACCAGAATTCT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_021342
Insert Size: 513 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_021342.1</u> , <u>NP_067317.1</u>
RefSeq Size:	2487 bp
RefSeq ORF:	513 bp
Locus ID:	57814
UniProt ID:	<u>Q9WTW3</u>
Cytogenetics:	1 C4
Gene Summary:	Ancillary protein that assembles as a beta subunit with a voltage-gated potassium channel complex of pore-forming alpha subunits. Modulates the gating kinetics and enhances stability of the channel complex. Associated with KCNQ1/KVLTQ1 inhibits potassium current (By similarity).[UniProtKB/Swiss-Prot Function]