

Product datasheet for **RR206605**

Kcne3 (NM_022235) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Kcne3 (NM_022235) Rat Tagged ORF Clone

Tag: Myc-DDK

Symbol: Kcne3

Synonyms: MGC105432

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Cell Selection: Neomycin

ORF Nucleotide Sequence: >RR206605 representing NM_022235
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGACTTCCAACGGGACTGAGACCTGGTACAAGAGCCTCCACGCTGTGCTAAAGGCTCTGAACACAA
CCCTTCACAGTCACTTGCTCTGCCGGCCTGGGCCAGGGCCAGGGTCAGGAACAGGGCCAGACAATCAAAC
AGAGGATCATCGGGCTAGCCTTCCGGCCGTAATGACAACTCCTACATGTATATTCTTTTGTTCATGTTT
CTATTCGCTGTCACTGTGGGAGTCTCATCCTGGGATATACCCGTTACGCAAAGTGGACAAACGTAGT
ACCCCTATCATGTGTACATCAAAAACCGTGTGTCTATGATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR206605 representing NM_022235
Red=Cloning site Green=Tags(s)

METSNGTETWYKSLHAVLKALNTTLHSHLLCRPGPGPGSGTGPDNQTEDHRASLPGRNDNSYMYILFVMF
LFAVTVGSLILGYTRSRYVDRSDPYHVYIKNRVSMI

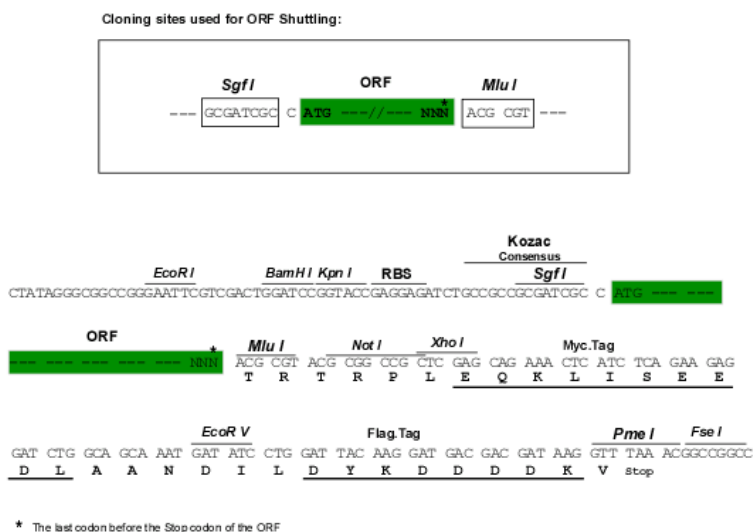
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

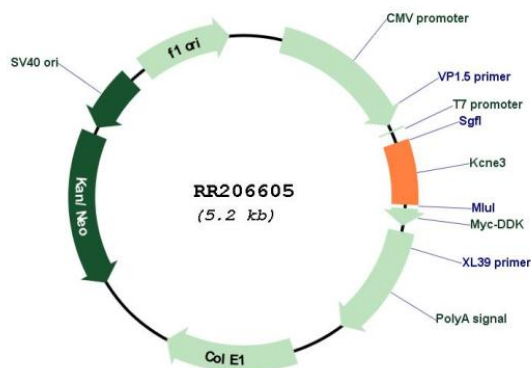


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Cloning Scheme:



Plasmid Map:



ACCN: NM_022235

ORF Size: 321 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:	<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_022235.2</u> , <u>NP_071571.1</u>
RefSeq Size:	1205 bp
RefSeq ORF:	324 bp
Locus ID:	63883
UniProt ID:	<u>Q9JJV7</u>
Cytogenetics:	1q32
MW:	12 kDa
Gene Summary:	a regulator that is coexpressed with K+ channel KCNQ1 [RGD, Feb 2006]