

Product datasheet for **MG206912**

Knq2 (BC108335) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Knq2 (BC108335) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Knq2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206912 representing BC108335 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGCTCATTACTACACTGCTCCTCTGCTCCGACTCCTGCTGACTTTAACACAGGGAGAAGAAGCGC
 AGGAAATTGACTGCAATGATGAGGCTGTATTCAGGCTGTGGATGCCTCTCTGAAGAAGCTTAATGCTAG
 GTTACAAAGCGGCAACCAGTTTGTGTTGTACCGAGTGACCAAGCGCGCTAAAATGGATGGCTCTGCAACC
 TTTTATTCCTTCAATTATCAAATCAAGGAGGGCAACTGCTCTGCTCAGAGAGGCCTGGCGTGGCAGGACT
 GTGACTCAAGGACTCTGAGGAAGCCGCCACTGGAGAATGCACAGCAACTATGGGGAAGAAAGAAAATAA
 GTTTTTCATAGTCACCCAGACCTGCAAGATTACTCCAGGTAAGGGCCCCATAGTGACAGAGGAGTACCAC
 TGTGCGAGTTGTGTGCATCCCATATCGGCAGATAATCCAGACCTGGAGCCTGTTTTGAAACACGCCATCG
 AATATTTCAACAACAACACAGGTCACAGCCACCTCTTGTCTCAGAGAAGTAAAAAGTGCCCAAGGACA
 GGTGGTGGGTGGCCTGAATTTTGACATTATCTACACAATTGTGCAACAAATTGTTCAAAGGAGCGTTTT
 CCTTCCCTCCGTGGAGACTGTGTGGCACTTCCAATGGTGATGGTGGTGAGTGAGAGTAATGCTTTCC
 TGGATACTGATAACAAAATTGAGGACTTCACGCAGAGCTGTGACCTTCATCCAGGAGATGATTTGGTAGA
 AGCGCTTCCCAAGCCTTGCCCTGGCTGCCCCAGGGACATACCTGTAGACAGCCAGAGCTGAAGGAGGTG
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 AATGCTAACGTGTACATGAGACCTTGGGAGAACAAAGTCATCCCGACTGTGAAATGCCAAGCATTAGATA
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 AGCAGGAACAACCTAGGCTCCTACGCGCTGCGAGTACAAGGGCAGACTCTCAAAGGCAGGGGCAGAGCCA
 GCGCCTGAGCGTCAGGCAGAATCTTCACAAGTGAAGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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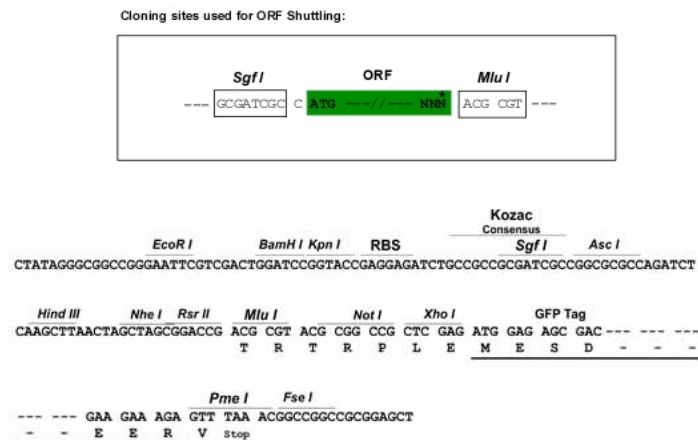
Protein Sequence: >MG206912 representing BC108335
 Red=Cloning site Green=Tags(s)

MKLITTTLLCSGLLLTLTQGEAAQEIDCNDEAVFQAVDASLKKLNARLQSGNQFVLYRVTKRAKMDGSAT
 FYSFNQIQKEGNCSAQRGLAWQDCDFKDEEAATGECTATMGKKENKFFIVTQTCKITPGKPIVTEEYH
 CASCVHPISADNPDLPLVKAIEYFNNTGSHLFFALREVKSAQGVVGLNFDIIYTIYQTNCSKERF
 PSLRGDCVALPNGDGGECRGNALDNDKIEDFTQSCDLHPGDDLVEALPKPCPGCPDIPVDSPELKEV
 LGHSIAQLNTENDHPFYFKIDTVKKATSQVVAGTNYVIEFIARETCKSKESNTELDCEIKHLGQSLDC
 NANVYMRPWENKVIPTVKCQALDKTIPIRRRPPGFSFPRSAKVQETKAGTTRLLRACEYKGRLSKAGAEP
 APERQAESSQVKQ

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC108335

ORF Size: 1299 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC108335](#), [AAI08336](#)

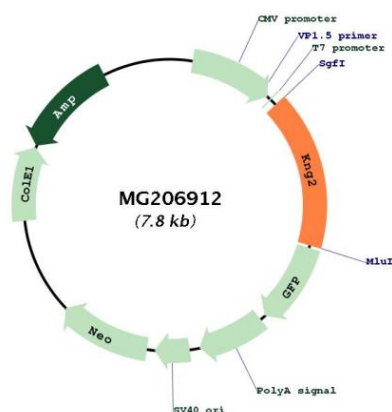
RefSeq Size: 1592 bp

RefSeq ORF: 1301 bp

Locus ID: 385643

Cytogenetics: 16 B1

Product images:



Circular map for MG206912