OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR210811

Robo2 (BC055333) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Robo2 (BC055333) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Robo2
Synonyms:	2600013A04Rik; 9430089E08Rik; BB097918; D230004I22Rik; mKIAA1568
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR210811 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAATCCTCTGATGTTTACACTATTATTGCTCTTTGGATTTCTCTGCATTCAGATTGATGGATCTCGTC
TTCGTCAAGAAGACTTTCCCCCCAGGATCGTAGAACACCCTTCTGATGTCATCGTCTCCAAGGGAGAGCC
CACCACTCTGAACTGTAAAGCAGAGGGCCGACCCACCCCCACCATTGAATGGTACAAGGATGGTGAGAGG
GTGGAGACAGACAAGGATGATCCCAGGTCCCACAGAATGCTTCTGCCCAGCGGATCTTTATTCTTTTTGC
GAATTGTTCATGGGCGCAGAAGTAAACCGGACGAAGGGAGTTACGTTTGTGTTGCAAGGAACTATCTTGG
TGAAGCAGTGAGTCGAAATGCATCTCTGGAAGTGGCATTATTGCGAGATGACTTCCGGCAAAACCCCACA
GATGTGGTAGTCGCAGCTGGAGAGCCTGCAATCTTGGAGTGCCAGCCACCACGGGGACACCCAGAACCAA
CCATCTACTGGAAAAAGGACAAAGTCCGAATTGATGACAAGGAAGAGAGAATAAGTATCCGTGGTGGGAA
GCTGATGATCTCTAATACTAGGAAAAGCGATGCTGGCATGTACACCTGTGTGGGAACCAATATGGTGGGA
GAAAGGGACAGCGACCCTGCAGAGCTCACTGTCTTTGAACGACCCACATTTCTCAGGAGGCCAATTAACC
AGGTGGTGCTAGAGGAAGAAGCTGTAGAATTCCGTTGTCAGGTCCAAGGAGATCCCCAGCCAACGGTGAG
GTGGAAAAAAGATGATGCAGACTTGCCGAGAGGAAGGTATGATATCAAAGATGACTACACGCTGAGAATT
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CCTCTGCTACCCTCACTGTCCGAGTTCGCCCTGTTGCTCCTCCACAGTTTGTGGTTAGGCCAAGAGATCA
GATCGTTGCTCAAGGCCGAACAGTGACATTCCCCTGTGAAACTAAAGGAAACCCACAGCCAGCTGTTTTT
TGGCAGAAAGAAGGCAGCCAGAACCTACTTTTCCCGAATCAACCTCAGCAGCCCAACAGCCGATGTTCAG
TGTCGCCCACGGGGGACCTCACCATCACCAACATCCAGCGTTCAGATGCGGGTTACTACATCTGCCAGGC
CCTAACCGTGGCAGGAAGCATTTTAGCTAAAGCACAGTTGGAAGTTACTGACGTTTTGACAGATAGACCT
CCACCCATAATCTTGCAAGGACCAATAAACCAAACACTTGCAGTAGACGGTACAGCATTGTTGAAGTGTA
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CAACAATCAGTAAAAATTATGATATGAATGACCTCCCGGGACCACCATCCAAACCTCAGGTCACTGATGT
TTCTAAGAACAGTGTCACCTTATCCTGGCAGCCAGGTACACCTGGCGTTCTTCCTGCAAGCGCGTATATC
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CAGTGATCCAAGTCCTATGTCGGATCCTGTACGCACACAAGATATCAGCCCCCCAGCACAAGGAGTGGAC
CACAGACAGGTGCAGAAGGAATTAGGTGATGTCGTTGTTCGTCTCCATAATCCAGTTGTCCTGACACCTA
CAACTGTTCAAGTCACATGGACGGTGGACCGACAACCCCAGTTTATTCAGGGCTACAGAGTGATGTACCG
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GCTGTCCTTGTGAATTTGAAAAAGGGGGTGACTTATGAAATTAAAGTCCGGCCGTATTTTAACGAGTTCC
AAGGAATGGACAGTGAATCGAAAACAGTCCGAACCACTGAGGAAGCCCCAAGTGCCCCTCCCCAGTCTGT
CACTGTGCTGACAGTTGGAAGTCACAACAGCACAAGCATCAGTGTTTCCTGGGATCCTCCACCAGCCGAC
CACCAGAATGGAATTATTCAGGAATATAAGATCTGGTGTCTGGGAAACGAAACGCGATTCCATATCAATA
AAACGGTGGATGCAGCCATTCGCTCTGTAGTAATAGGTGCATCCACCAGCCGACCACCAGAATGGAATTA
TTCAGGAATA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

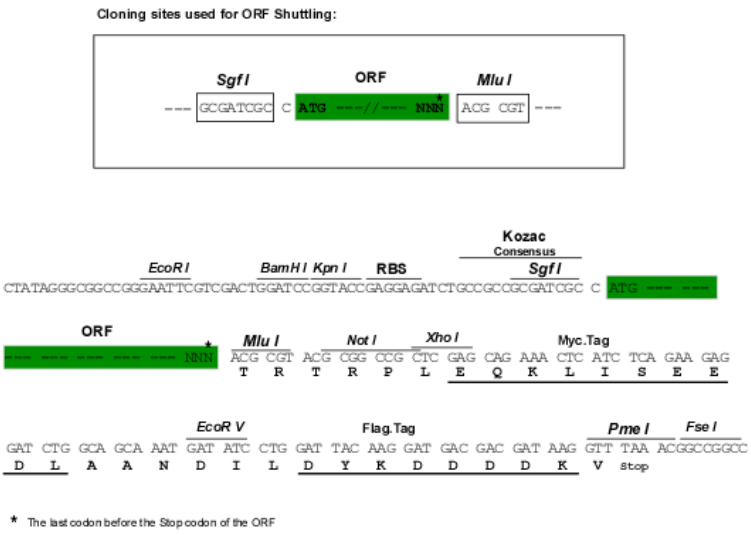
>MR210811 protein sequence
Red=Cloning site Green=Tags(s)

MNPLMFTLLLLFGFLCIQIDGSRLRQEDFPPRIVEHPSDVIVSKGEPTTLNCKAEGRPTPTIEWYKDGER
VETDKDDPRSHRMLLPSGSLFFLRIVHGRRSKPDEGSYVCVARNYLGEAVSRNASLEVALLRDDFRQNPT
DVVVAAGEPAILECQPPRGHPEPTIYWKKDKVRIDDKEERISIRGGKLMISNTRKSDAGMYTCVGTNMVG
ERDSDPAELTVFERPTFLRRPINQVVLEEEAVEFRCQVQGDPQPTVRWKKDDADLPRGRYDIKDDYTLRI
KKAMSTDEGTYVCIAENRVGKVEASATLTVRVRPVAPPQFVVRPRDQIVAQGRTVTFPCETKGNPQPAVF
WQKEGSQNLLFPNQPQQPNSRCSVSPTGDLTITNIQRSDAGYYICQALTVAGSILAKAQLEVTDVLTDRP
PPIILQGPINQTLAVDGTALLKCKATGEPLPVISWLKEGFTFLGRDPRATIQDQGTLQIKNLRISDTGTY
TCVATSSSGETSWSAVLDVTESGATISKNYDMNDLPGPPSKPQVTDVSKNSVTLSWQPGTPGVLPASAYI
IEAFSQSVSNSWQTVANHVKTTLYTVRGLRPNTIYLFMVRAINPQGLSDPSPMSDPVRTQDISPPAQGVD
HRQVQKELGDVVVRLHNPVVLTPTTVQVTWTVDRQPQFIQGYRVMYRQTSGLQASTVWQNLDAKVPTERS
AVLVNLKKGVTYEIKVRPYFNEFQGMDSESKTVRTTEEAPSAPPQSVTVLTVGSHNSTSISVSWDPPPAD
HQNGIIQEYKIWCLGNETRFHINKTVDAAIRSVVIGASTSRPPEWNYSGI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC055333

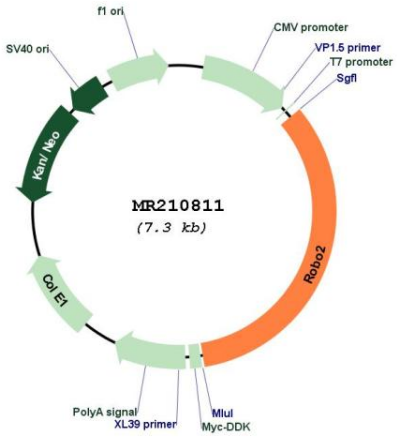
ORF Size: 2460 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	BC055333, AAH55333
RefSeq Size:	4346 bp
RefSeq ORF:	2462 bp
Locus ID:	268902
Cytogenetics:	16 C3.1
MW:	91 kDa

Product images:



Circular map for MR210811