

Product datasheet for **MC220683**

Robo2 (BC055333) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC220683 representing BC055333
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAATCCTCTGATGTTTACACTATTATTGCTCTTTGGATTTCTCTGCATTTCAGATTGATGGATCTCGTC
 TTCGTCAGAAGACTTTCCCCAGGATCGTAGAACACCCCTTCTGATGTCATCGTCTCAAGGGAGAGCC
 CACCACCTGAACTGTAAGCAGAGGGCCGACCCACCCACCATTGAATGGTACAGGATGGTGGAGAGG
 GTGGAGACAGACAAGGATGATCCAGGTCACAGAATGCTTCTGCCAGCGGATCTTTATTCTTTTGC
 GAATTGTTTCATGGGCGCAGAAGTAAACCGGACGAGGGAGTTACGTTTGTGTTGCAAGGAACTATCTTGG
 TGAAGCAGTGAGTCGAAATGCATCTCTGGAAGTGGCATTATTGCGAGATGACTCCGGCAAAACCCACA
 GATGTGGTAGTCGACGCTGGAGAGCCTGCAATCTTGGAGTGCCAGCCACCACGGGACCCAGAACCAA
 CCATCTACTGGAAAAGGACAAAGTCCGAATTGATGACAAGGAAGAGAGAATAAGTATCCGTGGTGGAA
 GCTGATGATCTTAATACTAGGAAAAGCGATGCTGGCATGTACACCTGTGTGGAAACCAATATGGTGGGA
 GAAAGGGACAGCGACCCTGCAGAGCTCACTGTCTTTGAACGACCCACATTTCTCAGGAGGCCAATTAACC
 AGGTGGTGTAGAGGAAGAAGCTGTAGAATTCGGTTGTCAGGTCCAAGGAGATCCCAGCCAACGGTGAG
 GTGGAAAAAAGATGATGCAGACTTCCGAGAGGAAGGTATGATATCAAAGATGACTACACGCTGAGAATT
 AAAAAGGCCATGAGTACTGATGAAGGTACCTATGTGTGATTGCTGAGAAATCGGGTGGGAAAAGTGGAA
 CCTCTGTACCCTCACTGTCCGAGTTCGCCCTGTTGCTCCTCCACAGTTTGTGGTTAGGCCAAGAGATCA
 GATCGTTGCTCAAGGCCGAACAGTGACATTTCCCTGTGAACTAAAGGAAACCCACAGCCAGCTGTTTTT
 TGGCAGAAAAGGACAGCCAGAACCTACTTTCCCGAATCAACCTCAGCAGCCCAACAGCCGATGTTCCAG
 TGTCGCCACGGGGACCTCACCATCACCAACATCCAGCGTTCAGATGCGGGTTACTACATCTGCCAGCC
 CCTAACCGTGGCAGGAAGCATTTTAGCTAAAGCACAGTTGGAAGTTACTGACGTTTTGACAGATAGACCT
 CCACCCATAATCTTGCAAGGACCAATAAACCAACACTTGCAGTAGACGGTACAGCATTGTTGAAGTGTA
 AAGCCACTGGTGAGCCTCTGCCTGTAATTAGCTGGCTAAAGGAGGGCTTTACTTTTCTGGGGAGAGATCC
 AAGAGCCACGATCCAAGACCAAGGAACACTGCAGATTAAGAATTTACGGATATCTGATACTGGCCTTAT
 ACTTGTGTGGCTACAAGTTCAGTGGAGAGACTTCTGGAGTGCAGTGTGGATGTAACAGAATCTGGAG
 CAACAATCAGTAAAAATATGATATGAATGACCTCCCGGACCACCATCCAAACCTCAGGTCACTGATGT
 TTCTAAGAACAGTGTACCTTATCCTGGCAGCCAGGTACACCTGGCGTTCTTCTGCAAGCGGTATATC
 ATTGAGGCTTTCAGCCAATCGGTGAGCAATAGCTGGCAGACAGTGCCAAACCATGTTAAGACAACCTGT
 ATACAGTAAGGGGGCTGAGGCCCAACACAATCTACTTGTATGTTGTCAGAGCGATCAACCCACAAGGTCT
 CAGTGATCCAAGTCCATGTCGGATCCTGTACGCACACAAGATATCAGCCCCCAGCACAAGGAGTGGAC
 CACAGACAGGTGCAGAAGGAATTAGGTGATGTCGTTGTTTCGTCCTCATAATCCAGTTGTCCTGACACCTA
 CAACTGTTCAAGTACATGGACGGTGGACCCGACAAACCCAGTTTATTACGGGCTACAGAGTGATGTACCG
 TCAGACTTCGGGACTACAAGCCTCAACTGTGTGGCAGAATCTAGACGCCAAAGTCCCGACTGAGAGGAGT
 GCTGTCTTGTGAATTTGAAAAGGGGGTACTTATGAAATTAAGTCCGGCCGATTTTTAACGAGTTCC
 AAGGAATGGACAGTGAATCGAAAACAGTCCGAACCACTGAGGAAGCCCAAGTCCCTCCCCAGTCTGT
 CACTGTGCTGACAGTTGGAAGTCAACAGCACAAGCATCAGTGTTCCTGGGATCCTCCACCCAGCCGAC
 CACCAGAATGGAATTTACAGGAATATAAGATCTGGTGTCTGGGAAACGAAACGGATTCATATCAATA
 AAACGGTGGATGCAGCCATTCGCTCTGTAGTAATAGTGCATCCACCAGCCGACCACCAGAATGGAATTA
 TTCAGGAATATA**A**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1881_h10.zip

Restriction Sites: SgfI-MluI

ACCN: BC055333

Insert Size: 2463 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](#)

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