

## Product datasheet for MC224626

### Robo2 (NM\_175549) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Robo2 (NM\_175549) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Robo2  
**Synonyms:** 2600013A04Rik; 9430089E08Rik; BB097918; D230004I22Rik; mKIAA1568  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC224626 representing NM\_175549  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAATCCTCTGATGTTTACACTATTATTGCTCTTTGGATTTCTCTGCATTCAGATTGATGGATCTCGTC  
 TTCGTCAAGAAGACTTTCCCCAGGATCGTAGAACACCCCTTCTGATGTCATCGTCTCAAGGGAGAGCC  
 CACCCTCTGAACTGTAAGCAGAGGGCCGACCCACCCACCATTGAATGGTACAAGGATGGTGAGAGG  
 GTGGAGACAGACAAGGATGATCCCAGGTCACAGAATGCTTCTGCCAGCGGATCTTTATTCTTTTGC  
 GAATTGTTTCATGGGCGCAGAAGTAAACCGGACGAAGGGAGTTACGTTTGTGTTGCAAGGAACTATCTTGG  
 TGAAGCAGTGAGTCGAAATGCATCTCTGGAAGTGGCATTATTGCGAGATGACTTCCGGCAAAACCCACA  
 GATGTGGTAGTCGAGCTGGAGAGCCTGCAATCTTGGAGTGCCAGCCACCACGGGACACCCAGAACCAA  
 CCATCTACTGGAAAAAGGACAAAGTCCGAATTGATGACAAGGAAGAGAGAATAAGTATCCGTGGTGGGAA  
 GCTGATGATCTCTAATACTAGGAAAAGCGATGCTGGCATGTACACCTGTGTGGGAACCAATATGGTGGGA  
 GAAAGGGACAGCGACCCCTGCAGAGCTCACTGTCTTTGAACGACCCACATTTCTCAGGAGGCCAATTAACC  
 AGGTGGTGTAGAGGAAGAAGCTGTAGAATCCGTTGTCAGTCCAAGGAGATCCCCAGCCAACGGTGAG  
 GTGGAAAAAAGATGATGCAGACTTGCCGAGAGGAAGGTATGATATCAAAGATGACTACACGCTGAGAATT  
 AAAAAGGCCATGAGTACTGATGAAGTACCTATGTGTGATTGCTGAGAATCGGGTGGGAAAAAGTGAAG  
 CCTCTGTACCCTCACTGTCCGAGCTCCTCCACAGTTTGTGGTTAGGCCAAGAGATCAGATCGTTGCTCA  
 AGGCCGAACAGTGACATTTCCCTGTGAACTAAAGGAAACCCACAGCCAGCTGTTTTTGGCAGAAAGAA  
 GGCAGCCAGAACCTACTTTCCGAATCAACCTCAGCAGCCCAACAGCCGATGTTCAAGTGTGCCACCG  
 GGGACCTCACCATCACCACATCCAGCGTTTCAGATGCGGGTACTACATCTGCCAGGCCCTAACCGTGGC  
 AGGAAGCATTTTAGCTAAAGCACAGTTGGAAGTACTGACGTTTTGACAGATAGACCTCCACCCATAATC  
 TTGCAAGGACCAATAAACCAACACTTGCAGTAGACGGTACAGCATTGTTGAAGTGTAAGCCACTGGTG  
 AGCCTCTGCCTGTAATTAGCTGGCTAAAGGAGGGCTTTACTTTTTCTGGGAGAGATCCAAGGCCAGAT  
 CCAAGACCAAGGAACACTGCAGATTAAGAATTTACGGATATCTGATACTGGCACTTATACTGTGTGGCT  
 ACAAGTCCAGTGAGAGACTTCTGGAGTGCAGTGTGGATGTAACAGAATCTGGAGCAACAATCAGTA



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AAAATTATGATATGAATGACCTCCCGGGACCACCATCCAAACCTCAGGTCACTGATGTTTCTAAGAACAG  
 TGTACCTTATCCTGGCAGCCAGGTACACCTGGCGTTCTTCTGCAAGCGCGTATATCATTGAGGCTTTC  
 AGCCAATCGGTGAGCAATAGCTGGCAGACAGTGGCAAACCATGTTAAGACAACCTGTATACAGTAAGGG  
 GGCTGAGGCCAACACAATCTACTTGTTTATGGTCAGAGCGATCAACCCACAAGGTCTCAGTGATCCAAG  
 TCCTATGTCGGATCCTGTACGCACACAAGATATCAGCCCCCAGCACAAGGAGTGGACCACAGACAGGTG  
 CAGAAGGAATTAGGTGATGTCGTTGTTTCGTCCTCATAATCCAGTTGTCCTGACACCTACAACCTGTTCAAG  
 TCACACTGGACGGTGGACCAGACAACCCAGTTTATTTCAGGGCTACAGAGTGTACCGTCAAGCTCCGGG  
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 AATTTGAAAAAGGGGTGACTTATGAAATTAAGTCCGGCCTATTTTAAACGAGTTCGAAGGAATGGACA  
 GTGAATCGAAAACAGTCCGAACCACTGAGGAAGCCCAAGTGCCCTCCCGAGTCTGCTACTGTGCTGAC  
 AGTTGGAAGTCACAACAGCACAAGCATCAGTGTTTCTGGGATCCTCCACCAGCCGACCACCAGAATGGA  
 ATTATTCAGGAATATAAGATCTGGTGTCTGGGAAACGAAACGCGATTCCATATCAATAAACCGTGGATG  
 CAGCCATTCGCTCTGTAGTAATAGGTGGCTTGTCCCTGGAATTCAGTACCGGTAGAAGTGGCAGCTAG  
 CACAAGTGCAGGGTGGAGTAAAAAGTGAACCACAGCCGATAATAATTGGGGACGTAAACGAAGTTGTC  
 ATTAAGTGAACAATAACAGCATCACTGAGCAAATCACGGATGTCGTGAAGCAACCGGCATTTATAGCTG  
 GCATTGGTGGTGCCTGCTGGGTAACTCTGATGGGTTTTCAGCATCTGGTTGACTGGAGAAGAAAGAGAG  
 AAAGGGACTCAGCAATTATGCTGTAACATTTCAAAGAGGAGATGGAGGACTAATGAGCAATGGGAGCCGT  
 CCAGGTCTTCTAAATGCTGGCGATCCCAATTACCCATGGCTTGTGATTCTTGGCCAGCCACGAGTTTGC  
 CAGTGAACAATAGCAATAGTGGCCCAAATGAAATTTGAAATTTTGGGCGTGGAGATGTGCTGCCCTCCGGT  
 GCCAGGCCAAGGGGATAAAAACAGCGACCATGCTCTCGGATGGAGCCATTTATAGCAGATTGACTTCACT  
 ACCAAAACCACTTACAACAGTTCAGCCAAATAACACAGGCCACCCCATATGCCACTACACAAATCCTGC  
 ATTCAAACAGCATCCACGAACCTGGCAGTTGATCTTCTGATCCACAGTGGAAAAGCTCAGTTCAACAGAA  
 GACAGACCTCATGGGATTTGGTTATTCGCTACCTGATCAGAACAAGGGGAACAACGCCTTACTTTACATC  
 CCTGACTACCGATTGGCTGAGGGATTGTCTAATAGAATGCCACACAACCAAGTACAGGATTTTCAGACCA  
 CCAGCTCTCACAACAGCTCAGAAAGGAGTGGCAGTCTCTCAGGTGGGAAAGTGGAAAAAGAAAGAAAC  
 TAAAAATCTTCGAAAGCGCAGAAAAACAACGGATCCACTTGGGCTAATGTCCCTCTACCTCCTCCTCCC  
 GTCCAGCCCTTCTGGTACAGAGCTGGGCCACTATGCTGCGGAACAAGAAAATGGCTATGACAGTGACA  
 GCTGGTGGCCACCATTACCGGTGCAAACATACTTGATCAGGGTATGGAAGATGAGCTGGAAGAAGACGA  
 AGATCGGGTCCCAACACCTCCTGTTCCGGCGTGGCCTCTTACCAGCTATCTCTTTGGACAGCAGTCC  
 ACTGCCACTTACTCCATCCCCAGGGAAGAGATGCAACCCATGCTGCAAGCTCACTTGGATGAGTTGA  
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 CCCAGCTCCGCCATTAGTTACGTGTCGGAGCCTTGATTTCTGATTTGGAGACAGATGTTCCAGATGAG  
 GATGCTGATGATGAAGAGGAACCATTAGAAATTCAGGCCCCTCAGAGCACTAGACCAGACACCTGGAT  
 CCAGTATGGACAATCTAGACAGCTCTGTACAGGAAAAGCCTTTAGTCTCTCTCAAAGGCAGCGGCCAC  
 CAGCCATTTTCTACGGACAGTAACACCAGTGTGCCAGAATCAAAGCCAGAGGCTCGGCCACAGAAA  
 AAACATAAGGGAGGACGGATGGACCCACAGCCAGTGTACCTCATCGGAGGGAAGGGATGCCAGATGATC  
 TTCCCCACCACCAGATCCCCACCAGGTGAGGGTTAAGGCAGCAGATAGGCCTGAGCCAACTCTGG  
 TAACGTGGAAAACCTCAACAGAGAGAAAAGGAAGCTCTCTAGAGAGACAACAAGCAGCCAACTTAGAAGAC  
 ACTCTACAGAACGCCAAGAAGAAACTCGAAAGCCCCACACAAACAAGGGTTGGATCAGAGGAGTCCCT  
 GGTGCCCTACAGCAAGCCAGCTTCCCGTCTCCTGGCGGCACAGCTCATCAGGAACATCTTCTCTAAA  
 GGGTCCACTGGCCCTCGGAAGGCTGACGTGCTGAGAGGCAGCCACCAGAGGAATGCCAATGACCTTCTCG  
 ACATTGGATATGTGGCTCAAATAGTCAAGGACAGTTTACAGAGTAA

**ACGGT**ACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_175549  
**Insert Size:** 4527 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_175549.4</a></u> , <u><a href="#">NP_780758.3</a></u>
<b>RefSeq Size:</b>	8047 bp
<b>RefSeq ORF:</b>	4527 bp
<b>Locus ID:</b>	268902
<b>Cytogenetics:</b>	16 C3.1