

## Product datasheet for MC224646

### Rusc2 (NM\_199057) Mouse Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Rusc2 (NM\_199057) Mouse Untagged Clone  
 Tag: Tag Free  
 Symbol: Rusc2  
 Synonyms: AI840675; mKIAA0375  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >MC224646 representing NM\_199057  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGCCCTTGTGGAACTTTCCAGAATGGATAGCCCCCTAAGCTGACTGGAGAGACCCTCATCGTCCACC  
 ATATCCCCTTAGTGCAGTCCAAGTCCCAGACAGGCAGTGTGCGGGGGCGAGGCGGAGCGGTGGGG  
 CACAAGAGCCAATCCCTTCTGCCCGGAGCTGGGCCTACCCAGCCTGACCACGACCTAGGACAAGT  
 GACTCCCTTCTGTACCCAGCCTGCACTCAGCGCCAGGGGCACCTACAGGGTCTTCAGACAGCGTCAAAA  
 GTAGGAGTCGGGATGGACGAGGCCCGGAGCTCCAAGCGCCATAATCCCTTCTTGGTGCAGGAAGGTG  
 GGGTGAGACAGGACTCGGTGACCTGCATGACAGCAGCACTGGTGACAGTGTACCCAGCAGTCTTCCAC  
 CTGCACAGCGCCAGCCAGCCCTTCCATCTGTCTTCTTCCAGCTGCCACCGTCCGGCCCCGGCAGGGCA  
 GGCCGTGGGGTGCAACTCACAGTCGACCTGGAGTGGTGGAGGGGCAGGAACAGGACCCAGCGACGCCTT  
 GGGGACCCAGTGCAGCACCAGCCACTGCTGCCGGCCAGAGCTGGAAGCTGAGAGGATGGAGCTGGACGAG  
 TGTGGGGGACACGGGGGAGTGGCAGTGGAGGGGGACCAGTGATATCTCTGGCTTTTCTTTGAGCAAG  
 AGTGGAAAGATCAGTTCGACGAATCCCCAAGACACCCTGGACGCTCCGGCTCGGGAACCCAGCAGTCCA  
 CTGCAGTAGTACGTCAGTCAGTCGGAGGCGGCTGACCAGTCCATGGGCTATGTCAGCGACTCCTCCTGT  
 AACAGCTCCGACGGTGTGCTAGTCACCTTCAGCACCCCTTACAATAAGATGCACAGCAGCTCCCGTGCCA  
 ACCTCAACTCTGTCCCTCAGTCTGCAGCGACTTTCCTTCTGCAGCCACGCAGACCCTGGAGCCTTCTA  
 CCTGGACCTGCAGCCCTCCCGGCTGAGTCGAGAATGTCTTGGAGTCCCACCACCTGAGAACGGGGAC  
 AGGGAAGAGGGCTGTGGCTGTCTCATGTCTCATCCCCTGAGCTCGATGCCAACTGCAACGCCTACCACC  
 CAACTCTGAGCCCTGCCAGCTGTGGCTGACCTCACAGCCTGCTTCCAGAGCCAGGCCCGCCTTGTGT  
 GGCCACACAGAATACTATAAATTGTACCTGTGACCTGTCTCACAGTCTCCCGAGCCCCGCCGGC  
 TCCTCCATCACGAGTTGCTCTGAAGAACACACCAAGATAAGTCTCCACCAGGCCCTGCCAGACCCAG  
 ACCCCAACCAGCCCTCTGAGTATTACCTTCCAGAAGCCAGACATCCAGCCAGAGGAACAAGAAGCAGT  
 GGGTCCCCAGCAGAAGCAGCAACCGCCATGGGCCCACTGTACTTGAAGGGCAGGTGTACACGAATACT  
 TCCCCCCCAACCTCAACTGGCCGGCAGCGCTCTGAAGCTATGACCTAGCCTGGAGCGCAGCCCC



CTGTCCGCTGGGCTCACTAGAGCGCATGCTTAGTTGCCAGTACGATTAAGTGAGGGCCCTGCGGCCCT  
 AGCTGGGCTGCGTCCCCACCCAGAAGGGTTACCTCCTTCGCTGAGTTGGCCAAAGGCCGGAAGAAAGCT  
 GCGGGCTCCGGCTCCCCACCACTGCGGGCGAGCGTTGGAGATTCTTCCAAGAGTTCTCGCCATCCAAG  
 AAGCCCAGCAAGACAGGGCAGCCCCACTTGACGAGGGCACTCGATGTAGCCATAGCTGCCGTCCCTGCC  
 CTTGGGGCCAAGCTTGGACCTCCTTGGCCCCGAACCCTGGTCCACCCCGTTTGTAGGGCTCCCAGTCC  
 AGCGAGATGCCACTTCTAGCCTCAGAGCTGCTGGCAGGGACCCTTGGCCAGCTGATGGATCCTGGGC  
 CTGCTTTCTCGGGAGCCAGCCAGCCATACCCAGAGGGATTTCGAGAGCTAGAGCTGACGGGGTGG  
 CACCGAAAGCCGACCCGTCCTTCGCTACAGCAAGGAACAGAGGGCCGACCACCTACCGATCCAGCGTTC  
 GTGTTCCAACATCACTTCCCAAGCAGCTGGCCAAAGGCCCGGGCCCTGCACAGCCTCTCCAGCTTACA  
 GCCTCTCTATGCCCTGCAGCCGCGCACAGCAGCCCGCCCGCTGGTTATCTCTACTGCTCAAGGCCAGC  
 CCCAGCTCCCTCAGGAGAGCCGACGCAATTACATCGCAGGCCTCTGGCAGAGGCCAGAAACGCTGGG  
 CCTGAACCAGAGACCTCGCGCCATCGCCCTGGGAAGCTACTCCCAGTCCGGAGTGCCGGCCCTTTG  
 GGTCTAGCACCAGCTCCTCTGCCTCTACCTCCTGCTCCCCGCTCCAGAGCAGGGCACAGCAGCCGACAG  
 TGTATCACCATGGAGCCATACCTGCCCTCTACTGTGCGCCTGCCACATCCCAGCAGCCACCGAAGGAG  
 GACCAGAAGATCCGACCTTGGCTGAGTACAGGCTTCATGGCACAGGAAGTTTACCCCTCTGGGCTCCT  
 GGAGATCTGGCTTCAACCGGGCAGAGAGTCTGGTTCGAGGAGGTGGCAGGGCAGCATGGCCAACAGGCC  
 CAACAATGCCAACCACTGTCCCTCAGGCCCTCAAGTGGCGGGAATACAGGAGGAAGAACCATTAGGG  
 CCACCTGGTTTGTGAGGAAGCCTAGATCGAAGGCCACCGGAAGCTCGGCTGGCCCGCAGGAACCCCATCT  
 TTGAGTCCCTGGTTCTTTCGGCACAACAGCCATCTGAATTGCCGGTGAATGGTCAGATTTCAAAGCC  
 ACTGTCGCTGACCTGTCTGACCTGCAGGACCCCTTCTCCTTAACCGAGAAGCCTCCCGCTGAGTTCTGT  
 CTGTCTCCCGATGGCAACTCGGAGGCCATATCCATCGACATACTCAGAAAAAGGGCTGGTAAAAGCTG  
 TCAACACCGCTGTGGACCTTATTGTGGCCATTTTGGCAGAGCCGGATCCTGGCGTGAAGGCAAAGCT  
 GGGCAACAGTTCTGTGAGCCCAATGTGGCCACCTGGTCTGAAGTACTTGTGCCCTCAGTCCAGGCC  
 GTGCTCGAGGACGACTCAAGCCCTTCGTACTGGATGTGATCATCGGCCAACGTAAAAACATGCCTTGG  
 GTGTGGTTCGAGGCTTCCACACAGCTAGGCCATCCACCAAGTCTTGCATGGCCTCTACAACAAAGTCAG  
 CCAGTTCCCAGAACTCACCAGTCAACCATGCGCTTCAACGCCTTCATCCTCGGCCCTGCTCAACATCCGG  
 TCTCTGGAGTTCTGGTTAATCACCTGTATAACCATGAAGATATCATCCAGACCCACTACCAGCCCTGGG  
 GCTTCTCGGGCCGCACACACGGTGTGCCAGGCCTTTCGAGGAGCTGCTGCTGTGCTACAGCCCTT  
 AGCCCTGCTACCTTTCAGCCTGGACTTGTGTTCCAGCACCAGGCTGCTGCAGAGCGGGCGGCAGCAGCG  
 CAGCACAAGGAAGTGTGCGTGTGTCCCAGGACCTGCTGCTGCTGCGCACTCAACTGCAGTTGGCCA  
 GGTCCCAGGCCAGGAGGCCCTGGAGACATGGACAGGGTGGCTCCTGGGGAACGGGTGAAGGGGGTGGG  
 TGCCCTCAGAAGGTGGAGAAGAGGACGAGGAAGACGCGGAAGAGGTGGCAGTGGTGGCGGGGAGCTCGGAT  
 CATGGCAAGTGGGCCCGAGGGGGTCAAGGCTGGCTGGTGGTACCAGCTCATGCAGAGCTCCAGGTCTACA  
 TCGATGGCACCGCTGAGGGCTCTAGATTCCTCGCAGCAGCAGCAGCAGTGGCAGCGGCAGTGAGAA  
 GAAGAAAGGAGTAGGCAGTGGGGGGCCCTCCAGGCTCCGCTCCGCCCTCGGGAAGGTGTGGTAGAG  
 GGGGGGGAGGCCCTGCCCTGCCCTGAGGAGGCCCTTGGCCAAGAAAGGGGCTGGCCTTTCTGGATGGGGA  
 GCCCCCTGACTCTGTGCTAGCTGAGCTGAGGCGTAGTCGAGAGAGGGAAGGGCCTGTGGCCCCACCGAC  
 GGAAAAAGAGGAAGGGACCGCAGAGCCTTACCTGGGGCATCAAGTGGGACATCTCTTTGGTTCTCGG  
 AAATCTCAGCGGGAAGCCCGCCACGAACAGGCTGCCGTCGACTGGCTGAGCCTGGCAAGTCTGTGT  
 TCCAGCTGGTAGCACAGACGATGGGGGCCGTCGGGAGCCGAGCCAGGGAGAACCTGCAAGAGTCAACA  
 CCTCCAGCCGTGCCCTCAAACCTCCGTGCGAGGTGCAGGCTCTGTGCCACCATCTGGCCACAGGCCCT  
 GGACAAGTGTGCTTCCACAAAGGAGATATCCTCCGGTGTGGGACCGCCAGAGGAGACTGGTGCCT  
 GCAGCCGAGGCCCTGACACCGGCTTGGTACCTCTGGCCTATGTGACATTGACCCAACTCCAAGTTCACC  
 TCCTGGGAGCAGCCAAAAC**TGA**

**ACGGCT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_199057  
**Insert Size:** 4572 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>	<a href="#">NM_199057.3</a> , <a href="#">NP_951012.2</a>
<b>RefSeq Size:</b>	5278 bp
<b>RefSeq ORF:</b>	4572 bp
<b>Locus ID:</b>	100213
<b>Cytogenetics:</b>	4 A5