

Product datasheet for MC229622

Rusc2 (NM_001037709) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rusc2 (NM_001037709) 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: >MC229622 representing NM_001037709
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCCTTGTGGAACTTTCCAGAATGGATAGCCCCCTAAGCTGACTGGAGAGACCTCATCGTCCACC
 ATATCCCCTTAGTGCAGTCCAAGTCCCAGACAGGCAGTGTGCGGGGGCGAGGCGAGCGGTGGGG
 CACAAGAGCCAATCCCTTCTGCCCCCGGAGCTGGGCCTACCCAGCCTGACCACGACCTAGGACAAGT
 GACTCCCTTCTGTACCCAGCCTGCACTCAGCGCCAGGGGCACCTACAGGGTCTTCAGACAGCGTCAAAA
 GTAGGAGTCGGGATGGACGAGGCCCGGAGCTCCAAGCGCCATAATCCCTTCTTGGTGCAGGAAGGTG
 GGGTGAGACAGGACTCGGTGACCTGCATGACAGCAGCACTGGTGACAGTGTACCCAGCAGTCTTCCAC
 CTGCACAGCGCCAGCCAGCCCTTCCATCTGTCTTCTTCCAGCTGCCACCGTCCGGCCCCGGCAGGGCA
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 GGGGACCCAGTGCAGCACCAGCCACTGCTGCCGGCCAGAGCTGGAAGCTGAGAGGATGGAGCTGGACGAG
 TGTGGGGACACGGGGGAGTGGCAGTGGAGGGGGACCAGTGATATCTCTGGCTTTTCTTTGAGCAAG
 AGTGAAGATCAGTTCGACGAATCCCCAAGACACCCTGGAGCTCCGGCTCGGGAACCCAGCAGTCCCA
 CTGCAGTAGTACGTCCAGTCAGTCGGAGGCGGCTGACCAGTCCATGGGCTATGTCAGCGACTCCTCCTGT
 AACAGCTCCGACGGTGTGCTAGTCACCTTCAGCACCCCTTACAATAAGATGCACAGCAGCTCCCGTGCCA
 ACCTCAACTCTGTCCCTCAGTCTGCAGCGACTTTCCTTCTGCAGCCACGCAGACCCTGGAGCCTTCTA
 CCTGGACCTGCAGCCCTCCCGGCTGAGTCGAGAATGTCTTGGAGTCCCACCACCTGAGAACGGGGAC
 AGGGAAGAGGGCTGTGGCTGTCTCATGTCTCATCCCCTGAGCTCGATGCCAACTGCAACGCCTACCACC
 CAACTCTGAGCCCTGCCAGCTGTGGCTGACCTCACAGCCTGCTTCCAGAGCCAGGCCCGCCTTGTGT
 GGCCACACAGAATTACTATAAATTGTACCTGTGACCTGTCTCACAGTCTCCCGAGCCCGCCGGC
 TCCTCCATCACGAGTTGCTCTGAAGAACACACCAAGATAAGTCTCCACCAGGCCCTGCCAGACCCAG
 ACCCAACAGCCCTCTGAGTATTACCTTCCAGAAGCCAGACATCCAGCCAGAGGAACAAGAAGCAGT
 GGGTCCCCAGCAGAAGCAGCAACCGCCATGGGCCCACTGTACTTGAAGGGCAGGTGTACACGAATACT
 TCCCCCAACCTCAACTGGCCGGCAGCGCTCTGAAGTATGACCGTAGCCTGGAGCGCAGCCCC



CTGTCCGCTGGGCTCACTAGAGCGCATGCTTAGTTGCCAGTACGATTAAGTGAGGGCCCTGCGGCCCT
 AGCTGGGCTGCGTCCCCACCCAGAAGGGTTACCTCCTTCGCTGAGTTGGCCAAAGGCCGGAAGAAAGCT
 GCGGGCTCCGGCTCCCCACCACTGCGGGCGAGCGTTGGAGATTCTTCCAAGAGTTCTCGCCATCCAAG
 AAGCCCAGCAAGACAGGGCAGCCCCACTTGACGAGGGCACTCGATGTAGCCATAGCTGCCGTCCCTGCC
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 AGCGAGATGCCACTTCTAGCCTCAGAGCTGCTGGCAGGGACCCTTGGCCAGCTGATGGATCCTGGGC
 CTGCTTTCTCGGGGAGCCAGCCAGCCATACCCAGAGGGATTGAGAGCTAGAGCTGACGGGGTGG
 CACCGAAAGCCGACCCGTCCTTCGCTACAGCAAGGAACAGAGGGCCGACCACCTACCGATCCAGCGTTC
 GTGTTCCAACATCACTTCCCAAGCAGCTGGCCAAAGGCCCGGGCCCTGCACAGCCTCTCCAGCTTACA
 GCCTCTCTATGCCCTGCAGCCGCGCACAGCAGCCCGCCCGCTGGTTATCTCTACTGCTCAAGGCCAGC
 CCCAGCTCCCTCAGGAGAGCCGACGCAATTACATCGCAGGCCTCTGGCAGAGGCCAGAAACGCTGGG
 CCTGAACCAGAGACCTCGCGCCATCGCCCTGGGAAGCTACTCCCAGTCCGGAGTGCCGGCCCTTTG
 GGTCTAGCACCAGCTCCTCTGCCTCTACCTCCTGCTCCCCGCTCCAGAGCAGGGCACAGCAGCCGACAG
 TGTATCCCATGGAGCCATACCTGCCCTCTACTGTGCGCCTGCCACATCCCAGCAGCCACCGAAGGAG
 GACCAGAAGATCCGACCTTGGCTGAGTACAGGCTTCATGGCACAGGAAGTTTACCCCTCTGGGCTCCT
 GGAGATCTGGCTTCAACCGGGCAGAGAGTCTGGTTCGAGGAGGTGGCAGGGCAGCATGGCCAACAGGCC
 CAACAATGCCAACCACTGTCCCTCAGGCCCTCAAGTGGCGGGAATACAGGAGGAAGAACCATTAGGG
 CCACCTGGTTTGTGAGGAAGCCTAGATCGAAGGCCACCGGAAGCTCGGCTGGCCCGCAGGAACCCCATCT
 TTGAGTCCCTGGTTCTTTCGGCACAACAGCCATCTGAATTGCCGGTGAATGGTCAGATTTCAAAGCC
 ACTGTCGCTGACCTGTCTGACCTGCAGGACCCCTTCTCCTTAACCGAGAAGCCTCCCGCTGAGTTCTGT
 CTGTCTCCCGATGGCAACTCGGAGGCCATATCCATCGACATACTCAGAAAAAGGGCTGGTAAAAGCTG
 TCAACACCGCTGTGGACCTTATTGTGGCCATTTTGGCACGAGCCGGATCCTGGCGTGAAGGCAAAGCT
 GGGCAACAGTTCTGTGAGCCCCAATGTGGCCACCTGGTCTGAAGTACTTGTGCCCTCAGTCCAGGCC
 GTGCTCGAGGACGACTCAAGCCCTTCGTACTGGATGTGATCATCGGCCAACGTAAAAACATGCCTTGG
 GTGTGGTTCGAGGCTTCCACACAGCTAGGCCATCCACCAAGTCTTGCATGGCCTCTACAACAAAGTCAG
 CCAGTTCCCAGAACTCACCAGTCAACCATGCGCTTCAACGCCTTCATCCTCGGCCCTGCTCAACATCCGG
 TCTCTGGAGTTCTGGTTAATCACCTGTATAACCATGAAGATATCATCCAGACCCACTACCAGCCCTGGG
 GCTTCTCGGGCCGCACACACGGTGTGCCAGGCCTCTTCGAGGAGCTGCTGCTGTTGCTACAGCCCTT
 AGCCCTGCTACCCTTTCAGCCTGGACTTGTGTTCCAGCACCGGCTGCTGCAGAGCGGGCGGCAGCAGCG
 CAGCACAAGGAAGTGTGCGTGTGTCCCAGGACCTGCTGCTGCTGCGCACTCAACTGCAGTTGGCCA
 GGTCCCAGGCCAGGAGGGCCCTGGAGACATGGACAGGGTGGCTCCTGGGGAACGGGTGAAGGGGGTGGG
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 CATGGCAAGTGGGCCCGAGGGGGTCAAGGCTGGCTGGTGGTACCAGCTCATGCAGAGCTCCAGGTCTACA
 TCGATGGCACCGCTGAGGGCTCTAGATTCCTCGCAGCAGCAGCAGCAGTGGCAGCGGCAGTGAGAA
 GAAGAAAGGAGTAGGCAGTGGGGGGCCCTCCAGGCTCCGCTCCGCCCTCGGGAAGGTGTGGTAGAG
 GGGGGGGAGGCCCTGCCCTGCCCTGAGGAGGCCCTTGGCCAAGAAAGGGGCTGGCCTTTCTGGATGGGA
 GCCCCCTGACTCTGTGCTAGCTGAGCTGAGGCGTAGTCGAGAGAGGGAAGGGCCTGTGGCCCCACCGAC
 GGAAAAAGAGGAAGGGACCGCAGAGCCTTACCTGGGGGATCAAGTGGGACATCTCTTTGGTTCTCG
 AAATCTCAGCGGGAAGCCCGCCACGAACAGGCTGCCGTCGACTGGCTGAGCCTGGCAAGTCTGTGT
 TCCAGCTGGTAGCACAGACGATGGGGGCCGTCGGGAGCCGAGCCAGGGAAGAACTGCAAGAGTCAACA
 CCTCCAGCCGTGCCCTCAAACCTCCGTGCGAGGTGCAGGCTCTGTGCCACATCTGGCCACAGGCCCT
 GGACAAGTGTGCTTCCACAAAGGAGATATCCTCCGGTGTGGGACCGCCAGAGGAGACTGGTGCCT
 GCAGCCGAGGCCCTGACACCGGCTTGGTACCTCTGGCCTATGTGACATTGACCCCACTCCAAGTTCACC
 TCCTGGGAGCAGCCAAAATGA

ACGGCTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001037709
 Insert Size: 4572 bp

OTI Disclaimer:	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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001037709.2, NP_001032798.1</u>
RefSeq Size:	5317 bp
RefSeq ORF:	4572 bp
Locus ID:	100213
Cytogenetics:	4 A5