

Product datasheet for MC229255

Rbm12 (NM_170598) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rbm12 (NM_170598) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rbm12
Synonyms: 5730420G12Rik; 9430070C08Rik; AI852903; mKIAA0765; S; SWAN
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229255 representing NM_170598
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCTGTGGTCATCCGTTTGAAGGTCTCCCAATTGTGGCGGGACCATGGACATTCGCCACTTCTTCT
 CTGGATTAACCATCCCCGATGGGGCGTGCATATTGTAGGGGTGAAGTGGTGGAGCTTTCATCGTTTT
 TGCCACTGATGAAGATGCAAGGCTTGGTATGATGCGCACAGGTGGTACTATTAAGGGTCAAAGTAACA
 CTATTATTGAGTAGTAAACAGAAATGCAAAATATGATTGAAGTGAAGTGGTGGAGCTTTGAAACTGCCA
 ACTTAGATATCCGCCAGCAAAATGCTAGTAGATCAGGACCACCACCTAGCTCAGGGATGAGCAGCAGGGT
 GAAGTGGCCAGCAATAGTACCAACTTTAATAATCCTTCGCCAAGTGTAGTAACTGCTACCACTTCTGTT
 CATGAGAGCAACAAAACATACAGACATTTCCACAGCCAGCGTAGGAACCGCTCCTCCAAGCATGGGGA
 CTTCTTTGGGAGCCCAACGTTCAAGTCAACCATTCAGTACAGCTTCTCCAATGAACACGGTCCCACC
 GCCACCGATTCTCCAATCCCAGCGATGCCATCTTGGCCACCGTGCATCCATCCCCCAATACCAGTT
 CCTCCTCCGGTACCAACATTGCCTCCTGTGCCACCTGTTCTCCATCCCCCAGTCCCTTCGGTCCAC
 CTATGACCACACTGCCTCCTATGTGAGGATGCCACCTTGAATCCACCACCTGTGGCACCCTTTACCTGC
 TGGAAATGAATGGCTCTGGAGCACCTATCGGTCTGAACAATAATGAATCCTGTGTTCTGGGTCCATTA
 AATCCTGTAACTCTATACAGATGAATTCTCAAAGCAGCGTGAAGTCTCTTCCCATCAACCTGATGATC
 TGTATGTGAGTGTGCATGGAATGCCCTTTCTGCAATGGAAAATGATGTCAGAGAGTTTTTCCATGGGCT
 CCGAGTCGATGCAGTGCATTTGTTAAAAGATCATGTAGGTGAAAATAATGGGAATGGATTGGTTAAGTTT
 CTCTCCCCTCAAGATACATTTGAAGCTTTGAAACGGAACAGAATGCTGATGATTCAACGCTATGTGGAAG
 TCAGTCTGCCACAGAGAGACAGTGGGTAGCTGCTGGAGTGCATACACTTTTAAGCAAAGTATGGGGCC
 TTCTGGACAAGCCACCCTCCTCCACAGACACTCCAAGGTCAAATCGCCAGTGGGCAGAAAAGGTCA
 AGATCAAGATCACCACATGAGGCTGGCTTTTGTGTTTACTTAAAAGGGTACCATTTGAAGCAGAAAACA
 AACATGTCATTGATTTTTTAAAGAGTTGGATATTGTGGAAGATAGTATTTATATAGCTTATGGACCCAA
 TGGGAAAGCAACTGGTGAAGCTTTGTAGAATTTAGGAATGATGCTGACTATAAGGCTGCTCTGTGCT
 CATAAACAATACATGGGCAATCGCTTTATTCAAGTTTCATCCAATAACTAAGAAAGGTATGCTTGAAGA



TAGATATGATTGAAAACGACTTCAGAACTTCAGCTATGACCAGAGGGAAGTGGTGTAAATCCAGAGGG
 GGAAGTCAGTTCTGCCAAGTCTGTGCCATATAACAAACATTCCATTACGCATCACCAAGATGGATGTT
 CTTTCAGTTCTAGAAAGGAATCCCAGTGGATGAGAGTGTGTGCATGTTCTTGTGATAACAAATGGGCAAG
 GTCTAGGGCAAGCATTGGTTTCAGTTTAAACTGAAGATGACGCACATAAATCTGAACACTTACACCGTAA
 AAAGCTGAATGGGAGAGAAGCTTTTGTTCATATAGTTACCCTAGAAGATATGAGAGAGATTGAGAAAAAT
 CCCCCAGCCCAAGGAAAAAGGGTCTAAAGATATCTGTTCCAGGTAATCCTGCAGTACCAGTGATACCTA
 GTGCAGGGATGCCTGCTGCTGGAATCCCACTGCCGGGATACCAGGGGCTGGATTGCCTAGTGTGGAAT
 GCCTGGTGTGGGATGCCAGCTCTGGAATGCCTGGTCCCTGGAATGCCCGGTCCCAGGAATACCCGGTGCG
 GGAATACCTGGTCCCAGCAATGCCTGGTCCCTGCAATGCCTGGTCCCAGCAATGCCTGGTCCCAGCAATGCCCG
 GTCCCAGCAATGCCCGGTCCCAGCAATGCCCGGTCCCAGCAATGCCCGGTCCCAGCAATGCCCGGTCCCAGCAAT
 ACCTGGTCCCAGCAATACCTGGTCCCAGCAATACCTGGTGTGGCATCCCCAGTGCAGGAGGAGAAGAGCAT
 GTCTTCTGACTGTAGGATCAAAGGAGGCCAATAATGGGCCACCATTTAACTTCCCTGGTAATTTTGGTG
 GGCCCAATGCCTTTGGGCCACCACTCCCCCTCCAGGATTAGGGGGTGCCTTTGGTGATGTTAGGCCTGT
 TATGCCTTCGGTTGAAAATAGTGGTTTGCCTGGCTAGGACTGGAAGTTCAGGTTTTGGAGGTGCCA
 AATAATATAAGTGGGCCATCAGGATTTGGGGGATCCCTCAGAACTTTGAAAATGGCCAGTAGTTTAA
 ATGCTCCTCCTGGTTTTTGAAGTGGACCCCTGGTCTTGAAGTGTTCCTGGGCATTTGAGTGGGCCTCC
 AGCCTTTGGGCCTGGCCTGGCCTGGCCCAATCCATATTGGGGTCCCCTGGCTTTGGAGCTAGCTCT
 GAAAAACCAGGACCTACAATAATTAAGGTGCGAACATGCCTTTTACTGTATCTATTGATGAAATTTAG
 ATTTCTTTTATGGTTATCAAGTAATCCAGGTTTCAGTATGTTTAAAAATACAATGAAAAAGGTATGCCTAC
 AGGTGAAGCCATGGTGGCCTTTGAATCTCGGGATGAAGCCACAGCTGCTGTCATTGACTTAAATGATAGG
 CCTATAGGTTCAAGAAAGGTAATAACTTGTTTTAGGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_170598
- Insert Size:** 2979 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:**
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:** [NM_170598.2](#), [NP_733486.2](#)
- RefSeq Size:** 3720 bp

RefSeq ORF: 2979 bp

Locus ID: 75710

UniProt ID: [Q8R4X3](#)

Cytogenetics: 2 H1

Gene Summary: This gene encodes a protein that contains several RNA-binding motifs, potential transmembrane domains, and proline-rich regions. This gene and the gene for copine I overlap at map location 2 H2. Two alternatively spliced transcript variants have been identified for this gene. Both variants encode the same protein. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) uses a different splice site which creates a shorter 5' UTR when compared to variant 1.