

Product datasheet for MR211399

Rbm12 (NM_029397) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rbm12 (NM_029397) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rbm12
Synonyms:	5730420G12Rik; 9430070C08Rik; AI852903; mKIAA0765; S; SWAN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211399 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGGCTGTGGTCATCCGTTTGCAAGGTCTCCCAATTGTGGCGGGGACCATGGACATTCGCCACTTCTTCT
CTGGATTAACCATCCCCGATGGGGCGTGCATATTGTAGGGGTGAAGTGGTGAGGCTTTCATCGTTTT
TGCCACTGATGAAGATGCAAGGCTTGGTATGATGCGCACAGGTGGTACTATTAAGGGTCAAAGTAAACA
CTATTATTGAGTAGTAAACAGAAATGCAAAATATGATTGAACTGAGTCGTAGGCGTTTTGAACTGCCA
ACTTAGATATCCGCCAGCAAATGCTAGTAGATCAGGACCACCACCTAGCTCAGGGATGAGCAGCAGGGT
GAAGTGGCCAGCAATAGTACCCAATTTAATAATCCTTCGCCAAGTGTAGTAACTGCTACCACTTCTGTT
CATGAGAGCAACAAAACATACAGACATTTCCACAGCCAGCGTAGGAACCGCTCCTCCAAGCATGGGGA
CTTCTTTTGGGAGCCCAACGTTCAAGTTCACCAATTCCAAGTACAGCTTCTCCAATGAACACGGTCCCACC
GCCACCGATTCTCCAATCCCAGCGATGCCATCTTGGCCACCGCTGCCATCCATTCACCAATACCAAGT
CCTCCTCCGGTACCAACATTGCCTCCTGTGCCACCTGTTCTCCATTCCCCAGTCCCTTCGGTGCCAC
CTATGACCACACTGCCTCCTATGTCAGGCATGCCACCTTGAATCCACCACCTGTGGCACCTTACCTGC
TGAATGAATGGCTCTGGAGCACCTATCGGTCTGAACAATAATGAATCCTGTGTTTCTGGGTCATTAA
AATCCTGTTAACTCTATACAGATGAATTCTCAAAGCAGCGTGAAGTCTCTCCCATCAACCTGATGATG
TGTATGTGAGTGTGCATGGAATGCCCTTTCTGCAATGGAATAATGATGTCAGAGAGTTTTCCATGGGCT
CCGAGTCGATGCAGTGCATTTGTTAAAAGATCATGTAGGTCGAAATAATGGGAATGGATTGGTTAAGTTT
CTCTCCCCTCAAGATACATTTGAAGCTTTGAAACGGAACAGAATGCTGATGATTCAACGCTATGTGGAAG
TCAGTCTGCCACAGAGAGACAGTGGGTAGCTGCTGGAGGTCATATCACTTTTAAGCAAAGTATGGGGCC
TTCTGGACAAGCCACCCTCCTCCACAGACACTCCAAGGTCAAATCGCCAGTGGGCAGAAAAGGTCA
AGATCAAGATCACCACATGAGGCTGGCTTTTGTGTTTACTTAAAAGGGCTACCATTTGAAGCAGAAAACA
AACATGTCATTGATTTTTTAAGAAGTTGGATATTGTGGAAGATAGTATTTATATAGCTTATGGACCCAA
TGGGAAAGCAACTGGTGAAGCTTTGTAGAATTTAGGAATGATGCTGACTATAAGGCTGCTCTGTCTGTCT



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CATAACAATACATGGGCAATCGCTTTATTCAAGTTCATCCAATAACTAAGAAAGGTATGCTTGAAAAGA
 TAGATATGATTCGAAAACGACTTCAGAAGTTCAGCTATGACCAGAGGGAAGTGGTGTAAATCCAGAGGG
 GGAAGTCAGTTCTGCCAAAGTCTGTGCCATATAACAAACATTCCATTACAGCATACCAAGATGGATGTT
 CTTCAAGTTCCTAGAAGGAATCCCAGTGGATGAGAGTGTGTGCATGTTCTTGTGATAACAAATGGCAAG
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 AAAGCTGAATGGGAGAGAAGCTTTTGTTCATATAGTTACCCTAGAAGATATGAGAGAGATTGAGAAAAAT
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 ACCTGGTCCCAGCAATACCTGGTCCCAGCAATACCTGGTCTGGCATCCCAGTGCAGGAGGAGAAGAGCAT
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 ATGCTCCTCTGGTTTTGGAAGTGGACCCCTGGTCTTGGAAAGTTCCTGGGCATTTGAGTGGGCCTCC
 AGCCTTTGGGCCTGGCCTGGCCTGGCCCAATCCATATTGGGGTCCCCTGGCTTTGGAGCTAGCTCT
 GGAAAACCAGGACCTACAATAATTAAGGTGAGAACATGCCTTTTACTGTATCTATTGATGAAATTTAG
 ATTTCTTTTATGGTTATCAAGTAATCCAGGTTTCAGTATGTTTAAAAACAATGAAAAGGTATGCCTAC
 AGGTGAAGCCATGGTGGCCTTTGAATCTCGGGATGAAGCCACAGCTGCTGTCATTGACTTAAATGATAGG
 CCTATAGGTTCAAGAAAGGTAAGTCTGTTTATAGG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211399 protein sequence
 Red=Cloning site Green=Tags(s)

MAVVIRLQGLPIVAGTMDIRHFFSGLTIPDGGVHIVGGELGEAFIVFATDEDARLGMRTGGTIKGSKV
 LLLSSKTEMQNMIELSRRRFETANLDIPPANASRSGPPSSGMSRVNLP AIVPNFNPNPSPSVVTTTSV
 HESNKNIQTFSTASVGTAPPSMGTSFSGSPTFSSTIPSTASPMNTVPPPPIPP PAMPPLPPLPSIPPV
 PPPVPTLPPVPPVPPIPPVPSVPPMTLLPPMSGMPPLNPPPVAPLPAGMNGSGAPIGLNNMNPVFLGPL
 NPVNSIQMNSQSSVKSLPINPDDL YVSVHGMF SAMENDVREFFHGLRVDVHLLKDHVGRNNGNGLVKF
 LSPQDTEALKRNRMLIQRYVEVSPATERQWVAAGGHITFKQSMGPGQAHPPPQTLPRSKSPSGQKRS
 RSRSPHEAGFCVYLKGLPFEAENKHVIDFFKLDIVEDSIYIAYGPNKATGEGFVEFRNDADYKAALCR
 HKQYMGNRFIQVHPITKGMLEKIDMIRKRLQNF SYDQRELVLNPEGEVSSAKVCAHITNIPFSITKMDV
 LQFLEGIPVDES AVHVLVDNNGQLGQALVQFKTEDDAHKSEHLHRKKLNGREAFVHIVTLEDMREIEKN
 PPAQGGKGLKISVPGNPAVPVIPSAGMPAAGIPTAGIPGAGLPSAGMPGAGMPSSGMPGMPGMPGIPGA
 GIPGPAMPGPAMPGPAMPGPAMPGPAMPGPAMPGPAMPGPAMPGPAMPGPAMPGPAMPGPAMPGPAMP
 VFLTVGSKEANNPFPNFGNFGPNAFGPPLPPPGLGGAFGDVRPVMPVSVGNSGLPGLGLEVPFGGGAP
 NNI SGPSFGGIPQNFNGPGLNAPPFGSGPPGLGSPVGHLSGPPAFGPGPGPIHIGGPPFGGASS
 GKPGPTI IKVQNPFTVSIIDEILDFFYGYQVIPGSVCLKYNEKGMPTGEAMVAFESRDEATAAVIDLNDR
 PIGSRKVKLVLG

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_029397

ORF Size: 2979 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_029397.3](#), [NP_083673.3](#)

RefSeq Size: 3752 bp

RefSeq ORF: 2979 bp

Locus ID: 75710

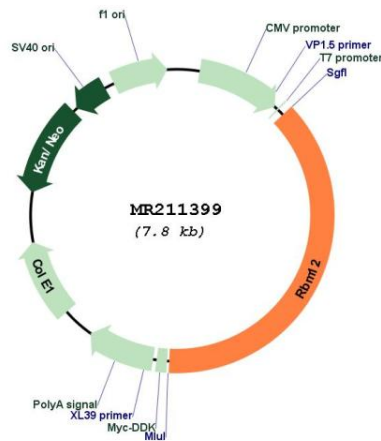
UniProt ID: [Q8R4X3](#)

Cytogenetics: 2 H1

MW: 102.8 kDa

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]

Product images:



Circular map for MR211399