

Product datasheet for MR231466

Rbm12 (NM_170598) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rbm12 (NM_170598) 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:	>MR231466 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGTGGTCATCCGTTTGCAAGGTCTCCCAATTGTGGCGGGGACCATGGACATTCGCCACTTCTTCT
CTGGATTAACCATCCCCGATGGGGCGTGCATATTGTAGGGGGTGAAGTGGGTGAGGCTTTCATCGTTTT
TGCCACTGATGAAGATGCAAGGCTTGGTATGATGCGCACAGGTGGTACTATTAAGGGTCAAAGTAAACA
CTATTATTGAGTAGTAAACAGAAATGCAAATATGATTGAACTGAGTCGTAGGCGTTTTGAACTGCCA
ACTTAGATATCCGCCAGCAAATGCTAGTAGATCAGGACCACCACCTAGCTCAGGGATGAGCAGCAGGGT
GAAGTGGCCAGCAATAGTACCCAATTTAATAATCCTTCGCCAAGTGTAGTAACTGCTACCACTTCTGTT
CATGAGAGCAACAAAACATACAGACATTTCCACAGCCAGCGTAGGAACCGCTCCTCCAAGCATGGGGA
CTTCTTTTGGGAGCCCAACGTTCAAGTTCACCAATTCCAAGTACAGCTTCTCCAATGAACACGGTCCCACC
GCCACCGATTCTCCAATCCCAGCGATGCCATCTTGGCCACCGCTGCCATCCATCCCCCAATACCAGTT
CCTCCTCCGGTACCAACATTGCCTCCTGTGCCACCTGTTCTCCATTCCCCAGTCCCTTCGGTGCCAC
CTATGACCACACTGCCTCCTATGTCAGGCATGCCACCTTGAATCCACCACCTGTGGCACCTTACCTGC
TGAATGAATGGCTCTGGAGCACCTATCGGTCTGAACAATAATGAATCCTGTGTTTCTGGGTCCATTA
AATCCTGTTAACTCTATACAGATGAATTCTCAAAGCAGCGTGAAGTCTCTCCCATCAACCTGATGATC
TGATGTGAGTGTGCATGGAATGCCCTTTCTGCAATGGAATAATGATGTCAGAGAGTTTTTCCATGGGCT
CCGAGTCGATGCAGTGCATTTGTTAAAAGATCATGTAGGTCGAAATAATGGGAATGGATTGGTTAAGTTT
CTCTCCCCTCAAGATACATTTGAAGCTTTGAAACGGAACAGAATGCTGATGATTCAACGCTATGTGGAAG
TCAGTCTGCCACAGAGAGACAGTGGGTAGCTGCTGGAGGTCATACACTTTTAAGCAAAGTATGGGGCC
TTCTGGACAAGCCACCCTCCTCCACAGACACTCCAAGGTCAAATCGCCAGTGGGCAGAAAAGGTCA
AGATCAAGATCACCACATGAGGCTGGCTTTTGTGTTTACTTAAAAGGGCTACCATTTGAAGCAGAAAACA
AACATGTCATTGATTTTTTAAGAAGTTGGATATTGTGGAAGATAGTATTTATATAGCTTATGGACCAA
TGGGAAAGCAACTGGTGAAGCTTTGTAGAATTTAGGAATGATGCTGACTATAAGGCTGCTCTGTCTGTCT



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CATAACAATACATGGGCAATCGCTTTATTCAAGTTCATCCAATAACTAAGAAAGGTATGCTTGAAAAGA
 TAGATATGATTCGAAAACGACTTCAGAACTTCAGCTATGACCAGAGGGAAGTGGTGTAAATCCAGAGGG
 GGAAGTCAGTTCTGCCAAAGTCTGTGCCATATAACAAACATTCCATTACAGCATACCAAGATGGATGTT
 CTTCAAGTTCCTAGAAGGAATCCCAGTGGATGAGAGTGTGTGCATGTTCTTGTGATAACAATGGCAAG
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 AAAGCTGAATGGGAGAGAAGCTTTTGTTCATATAGTTACCCTAGAAGATATGAGAGAGATTGAGAAAAAT
 CCCCCAGCCCAAGGAAAAAGGGTCTAAAGATATCTGTTCCAGTAATCCTGCAGTACCAGTATACCTA
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 ACCTGGTCCCAGCAATACCTGGTCCCAGCAATACCTGGTGTGCATCCCAGTGCAGGAGGAGAAGAGCAT
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 GGCCCAATGCCTTTGGGCCACCCTCCCCCTCCAGGATTAGGGGGTGCCTTTGGTGTGTTAGGCCTGT
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 AATAATATAAGTGGGCCATCAGGATTTGGGGGGATCCCTCAGAAGTTCGAAATGGCCAGGTAGTTAA
 ATGCTCCTCTGGTTTTGGAAGTGGACCCCTGGTCTTGGAAAGTTCCTGGGCATTTGAGTGGGCCTCC
 AGCCTTTGGGCCTGGCCTGGCCTGGCCCAATCCATATTGGGGTCCCCTGGCTTTGGAGCTAGCTCT
 GGAAAACCAGGACCTACAATAATTAAGTGCAGAACATGCCTTTTACTGTATCTATTGATGAAATTTAG
 ATTTCTTTTATGGTTATCAAGTAATCCAGGTTTCAGTATGTTTAAAAACAATGAAAAGGTATGCCTAC
 AGGTGAAGCCATGGTGCCTTTGAATCTCGGGATGAAGCCACAGCTGCTGTCATTGACTTAAATGATAGG
 CCTATAGGTTCAAGAAAGGTAACCTTGTTTTAGGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR231466 protein sequence
 Red=Cloning site Green=Tags(s)

MAVVIRLQGLPIVAGTMDIRHFFSGLTIPDGGVHIVGGELGEAFIVFATDEDARLGMRTGGTIKGSKVT
 LLLSSKTEMQNMIELSRRRFETANLDIPPANASRSGPPSSGMSRVNLP AIVPNFNPNPSPSVVTTTSV
 HESNKNIQTFSTASVGTAPPSMGTSTFGSPTFSSTIPSTASPMNTVPPPPIPPAMPPLPLPSIPPV
 PPPVPTLPPVPPVPPVPPVPSVPPMTLLPPMSGMPPLNPPPVAPLPAGMNGSGAPIGLNNMNPVFLGPL
 NPVNSIQMNSQSSVKSLPINPDDLIVSVHGMPPFSAMENDVREFFHGLRVDVHLLKDHVGRNNGNGLVKF
 LSPQDTEALKRNRMLIQRYVEVSPATERQWVAAGGHITFKQSMGPGQAHPPPQTLPRSKSPSGQKRS
 RSRSPHEAGFCVYLKGLPFEAENKHVIDFFKLDIVEDSIYIAYGPNKATGEGFVEFRNDADYKAALCR
 HKQYMGNRFIQVHPITKKGMLEKIDMIRKRLQNF SYDQRELVLNPEGEVSSAKVCAHITNIPFSITKMDV
 LQFLEGIPVDES AVHVLVDNNGQGLGQALVQFKTEDDAHKSEHLHRKKLNGREAFVHIVTLEDMREIEKN
 PPAQGGKGLKISVPGNPAVPVIPSAGMPAAGIPTAGIPGAGLPSAGMPGAGMPSSGMPGMPGMPGIPGA
 GIPGPAMPGPAMPGPAMPGPAMPGPAMPGPAMPGPAMPGPAMPGPAMPGPAMPGPAMPGPAMPGPAMP
 VFLTVGSKEANNPFPNFGNFGPNAFGPPLPPPGLGGAFGDVRPVMPSVGNGLPGLGLEVPFGFGGAP
 NNI SGPSFGGIPQNFNGPGLNAPPFGSGPPGLGSPVGHLSGPPAFGPGPGPIHIGGPPFGGASS
 GKPGPTI IKVQNPFTVSIIDEILDFFYGYQVIPGSVCLKYNEKGMPTGEAMVAFESRDEATAAVIDLNDR
 PIGSRKVKLVLG

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_170598

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_170598.2](#), [NP_733486.2](#)

RefSeq Size: 3720 bp

RefSeq ORF: 2979 bp

Locus ID: 75710

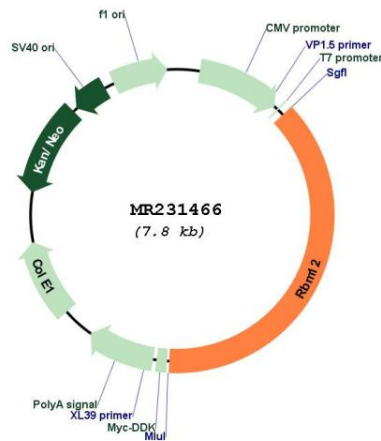
UniProt ID: [Q8R4X3](#)

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 MR231466