

## Product datasheet for **RC229407**

### **RBM44 (NM\_001080504) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RBM44 (NM_001080504) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RBM44
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229407 representing NM_001080504 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGCAGGCCACTGCAGTGGTGGAGACAGCATCTGGTAAAGGCTACCACAGTAATGGAGGCAACCTCC  
AAAAAGATAAACCTTCAAATCCAAAGAAAGAAAATTTGTTATTATCCTCCAATGGTTGTGATGAAGTCAA  
ATTGACTTTTCCTGATGATGACTGGAATTCCTCGACACTAGAGCAAAGAGCTAATAATAAGAAATCAGC  
AATATTTGACAAAATGGATTTATTAGAGCCATTTTTTCAGTGAGTCAAGATACTAACACAGAGACTACTC  
AGTTTTCAAGTGAAGTGAAGACAGTACTGACTATGCTTTTGAATAAAAACATATTTCTATACCTTA  
TTCAGAGTCAAACTAAAGAAGAAAGTCTTACTCCTTTAAGTTCAGAATTAGATCCTGAAGTGCAGAAA  
AAAGAGGAGGTTTTTTTTAATTTTTGGAACATCAAGATAAGACTGTTGGCTTGGAAAGAATCTACAATA  
TTTCAGATGCTAATTATAGAGAAAGTGCTGAAGATACACAAAAGCATGATACAGATGAAGACTCACAGCA  
GGAATATCACAGTGCAGAAGAACAAGAATACATAAGTAACCATTTATCTTTGACCAAACAAAAGCATT  
GATATATCTAATCCAGAAGTTGTTGAATTAGGAAATTCGGGTTATGAAGTTAAATGTGCTAGCAATGTAG  
AAGATAATCGTGTTAACTCGGGAAGTGGTCTATCATCTCTTTGATTCACTTGTGTTTATGGACAAGA  
AGAGTCACTTCATGTCTCAAATTTCAGAATTCGTTATGTTAAGAGAATATCATGACCTAAAGCATGAA  
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CTCCAGGAAACCAGGAATCTCAATCTAAGAGTGGTTCTTGGGCCCTCAAAAAGTATTAATAAATGAAAT  
TTATACTGAAAACATGAAATCTCAAATAAATGAAGGTAAGATTTTTGTGGAAATAAAATTTGTTGAGAAC  
AAAATATTACTGCACCTTAAAACTTAGCACATTACCACAGGATAAAGCTTTAGAGACATTACTCCAAC  
CCTGTAAGATTGTCAAACCTTCTGGACCTCTGTTTTGATGATTCGATAATTTCTGCCTGTGGATATTA  
TGAAAGCCTACAAAACACTGCTGACTCAGCCTTAGATTTTTCTGCTATGCTACCAAAGATCGCAGTCAGA  
GATAATCAGGCAATAGAAGATAATACGTCCTAAAAGTTGCTCATAGCAGTACCACAAAGAAAACATGCT  
TTCACAATATAGGAGAAATGTGTAATAATCATTGACAGATGCAGCAAGTTGTACAGTCAACAATTAATCA  
GACAGTGGACGTTAGCACTGATTTAGGGCTTGTTCACAACAGCAGGGCAACAAGTGAAGCAAGCTTCT  
GTAGTATCTACATCAAGCAACACAGAGATAACAATGATGAATAAAAAACGACCTGATGAATGGCAAAATG  
AGAAACAAAAAGTGTGGCTGTAGTACAGATTGGTCATACAGTGAAGATTGTATAGATACACAGATGGC



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TATAACAAAAGGATCAGGAAAATCTCTCCGTTGACAGTTTAAACCTAATGGAATTTTCTAAATAAG  
 GATTTCTGGAATTAAGAAAAGCATGTGGTATCACAGACCTAAAGAAACATCCTGAGAGGGAATTTCAAC  
 TTTTAAAGATACAGAGAAGGATTTGCCATCAATGTGCTGTGAGAAGATAATGCAGAGAGCCATAAAAGC  
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 CAGGAGTTGACGTCTCAGGGACACAGGGAAATCAAGTAGAACAAGACACATGGAATTTGGATCTTACAGG  
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 GGTTTTCCCTCCGACCAGGGTGTCAAGAAGAATTGTAAGCAGATTGAATCTGCTAAATTTACCTGAT  
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 CTGAACTGCATCCAGAAGTCAGCAGAGACCATATTATAAATGCACTTCAGGAAGTGAATAAAGACATAA  
 AGGTTTTCTGAATGGCTTATCTATTACTACTATTGTGGAGATGACTTCATCTCTTCTGAAAACTCTGCT  
 TCCAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC229407 representing NM\_001080504  
 Red=Cloning site Green=Tags(s)

MMQATAVVETASGKYHNSNGNLQKDKPSPNPKENLLSSNGCDEVKLTFFDDWNSSTLEQRANKEIS  
 NIDKMDLLEPFFSVSQDNTTESTQFQSSELEDSTDYAFLNKYSIPYSESKLKEKSLTPLSSELDPEVQK  
 KEEVFFNILEHQDKTVGLERIYINISDANYRESAEDTQKHDTDEDSQQEYHSAEEQEYISNHL SFDQTKAL  
 DISNPEVVELGNSGYEVKASNVEDNVRVNSGSGSII SFDSLVDVYQEESSLHVSFKFQNSVMLREYHDLKHE  
 KYKEQETNSMYHTVFDGSVLRNSPNQESQSKSGSLSPQKVLKMKIYTENMKSQINEGKDFCGNKIVEN  
 KILLHLENPSTLPQDKALETLLQPKDCQTSWTSVFDDSIISACGYEESLQNTADSALDF SAMLPKIAVR  
 DNQAIEDNTSLKVAHSSTTKTCFHNI GEMCTKSLTDAASCTVTINQTVDVSTDFRACFTTSRATSARPS  
 VVSTSSNTEITMMNKKRPDEWQNEKQKSVACSTDWYSYEDCIDTQMAITKGSGKSLSVDSLKPNGNFLNK  
 DFLELRKACGITDLKKHPEREFQLFKDTEKDLPSMCCQKIMQRAIKAELHLLNVHYQMCRRHCCDIYKLV  
 MENREGLNMNLSNSAKKELGSALLSLLGDLKVRVYVTLKEIKHGIPLEELPPLSLESKLLSTFSTFASR  
 LMKKETHVFSEADAEQDNQRAHDVDVSSNLKTL SQMSLSSDNSHATQNI SPKKDDFKNGDINADFSQLK  
 LGDKDCRHYQETSEDWSDAKESL TGVDVSGTQGNQVEQDTWNLDLTGEMKNVEPSQRDKGYLIHVGG LCP  
 SVSEADLRSHFQKYQVSEISIIYDSTNYRYASLAF TKNSDAKIAVKEMNGIEINGKSVNVWPVKILGEYTS  
 PLSSKNGNRISSNLEKSTNKQIHSEFSISRLPRTPRQLGSEQDSEVFPDQGVKKNCKQIESAKLLPD  
 TPVQFIPPNTLNLRSFTKIIKRLAELHPEVSRDHIINALQEVRI RHKGFNLGLSITTIIVEMTSSLLKNSA  
 SS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8035\\_f02.zip](https://cdn.origene.com/chromatograms/mk8035_f02.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001080504

**ORF Size:** 3156 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\\_001080504.2](#), [NP\\_001073973.2](#)

**RefSeq ORF:** 3156 bp

**Locus ID:** 375316

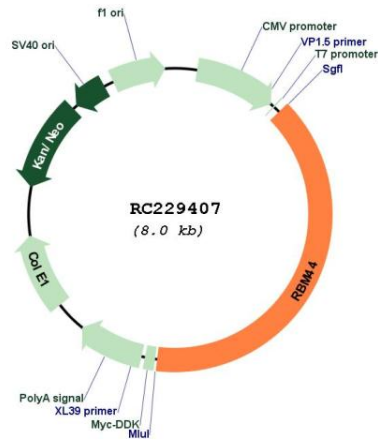
**UniProt ID:** [Q6ZP01](#)

**Cytogenetics:** 2q37.3

**MW:** 117.9 kDa

**Gene Summary:** Component of intercellular bridges during meiosis. Intercellular bridges are evolutionarily conserved structures that connect differentiating germ cells. Not required for fertility (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC229407