

Product datasheet for **RC212464**

RBMY1J (NM_001006117) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBMY1J (NM_001006117) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RBMY1J
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC212464 ORF sequence, **codon optimized**.
 Due to the complexity of NM_001006117, the ORF clone is codon optimized for mammalian Expression.
 The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**

ATGGTAGAAGCAGATCATCCTGGCAAGCTTTTCATTGGTGGCCTCAATAGAGAAACCAATGAGAAGATGCTTAAAGCAGTATTTGGGAAACATGGTCCCATATCAGAAGTTCTTTTGATAAAGGATCGAACCAGCAAATCAGAGGCTTTGCATTTACTTTTGGAAACCCTGCAGATGCTAAGAATGCTGCGAAAGATGAATGGAACGTCTTTGCATGAAAAGCAATAAAAGTAGAACCAAGCAAGAAACCATCTTTTCAAAGTGGTGGTAGGC GGAGACCACAGCTTCTCGAGAAACAGAAGCCCTTCAGGAAGTCTGAGATCTGCAAGAGGAAGCAGTGGAGGAACAAGGGTGGCTTCCCTCACATGAAGGGCACCTGGATGATGGTGGATACACTCCTGATCTCAAGATGAGTTATTCTAGGGGACTCATTCCAGTTAAAAGAGGTCCATCTTCAAGAAGTGGAGGTCTCCTCCGA AAAATCTGCTCCTTCTGCTGTGGCAAGAAGCAATAGTTGGATGGGAAGCCAAGTCCCATGTCACAAAAGAGAGAATTATGGAGTTCTCCACGCAGAGCGACAATATCTTCTGGAGAAATGATCGCATGTCAACAAGACATGATGGTTATGCAACTACGATGGAAATCATCCAAGTTGCCAAGAAACGAGGGATTATGCTCCACATCTAGAGGCTATGCATACCGTGATAATGGTCATTCTAATCGGGATGAACATTCCTCTAGAGGATATAGAAATCATCGAAGTCCCAGAAAACCTAGGGATTATGCTCCACCATCTAGAGGCCATGCATACCGTGATTATGGTCAATTCGTGCGACATGAAAGTTATTC TAGAGGATATAGAAATCATCCAAGTTCCCAGAAAACAGGGATTATGCTCCACCACATAGAGACTATGCA TACCGTGATTATGGTCAATCTAGTTGGGATGAACATTCCTCTAGAGGATATAGTTATCATGATGGCTACG GTGAGGCCCTTGGTAGAGATCATTCTGAACATCTAAGTGGAAAGTCTTATAGAGATGCACCTCAGAGATA CGGGACCTCTCATGGTGCACCACCTGCAAGAGGGCCTCGGATGTCTTATGGTGGAAAGCACCTGCCACGCA TATAGTAATACACGAGATAGATATGGCAGAAGTTGGGAGAGTTACTCGAGCTGTGGTGAATTTTCATTATT GTGATCGTGAGCATGTTTGCAGAAAAGACCAAAGGAATCCGCCTTCTCTGGTAGGGTGCTCCCTGATCC TCGTGAAGCATATGGTAGCTCAAGTTATGTGGCATCTATAGTAGATGGTGGGAGAGTGCATCTGAAAAA GGAGACTCGAGCAGATAT

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC212464 representing NM_001006117
 Red=Cloning site Green=Tags(s)

MVEADHPGKLFIGGLNRETNEKMLKAVFGKHGPISEVLLIKDRTSKSRGFAFITFENPADAKNAAKDMNG TSLHGKAIKVEQAKKPSFQSGRRRPPASSRNRSPSGSLRSARGSSGGTRGWLPSHEGHLDDGGYTPDLK MSYSRGLIPVKRGPSSRSGGPPPKKSAPSAVARNSWMSGSQGPMQSRRENYGVPPRRATISSWRNDRMST RHDGYATNDGNHPSCQETRDYAPPSRGYAYRDNGHSNRDEHSSRGYRNHRSSRETRDYAPPSRGHAYRDY GHSRRDESYSRGYRNHRSSRETRDYAPPSRGHGYRDYGHSRRHESYSRGYRNHRSSRETRDYAPPHRDYA YRDYGHSSWDEHSSRGYSYHDGYEALGRDHSEHL SGSSYRDALQRYGTSHGAPPARGPRMSYGGSTCHA YSNTRDRYGRSWESYSSCGDFHYCDREHVCRKDQRNPPSLGRVLPDPREAYGSSSYVASIVDGGESRSEK GDSSRY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6319_b08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001006117

ORF Size: 1488 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_001006117.3](#)

RefSeq Size: 1714 bp

RefSeq ORF: 1491 bp

Locus ID: 378951

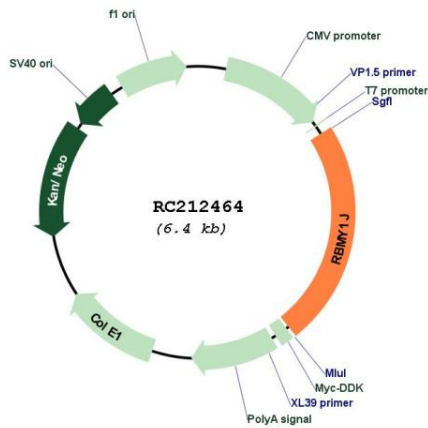
UniProt ID: [Q15415](#)

Cytogenetics: Yq11.223

MW: 55.7 kDa

Gene Summary: This gene encodes a protein containing an RNA-binding motif in the N-terminus and four SRGY (serine, arginine, glycine, tyrosine) boxes in the C-terminus. This protein likely functions as a splicing factor during spermatogenesis. Multiple closely related paralogs of this gene are found in a gene cluster in the AZFb azoospermia factor region of chromosome Y. Most of these related copies are thought to be pseudogenes, though several likely encode functional proteins. [provided by RefSeq, Mar 2016]

Product images:



Circular map for RC212464