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Product datasheet for SC336009

RBMY1F (NM_001303410) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBMY1F (NM_001303410) Human Untagged Clone
Tag:	Tag Free
Symbol:	RBMY1F
Synonyms:	YRRM2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC336009 representing NM_001303410.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTAGAAGCAGATCATCCTGGCAAGCTTTTCATTGGTGGCCTCAATAGAGAAACCAATGAGAAGATG
CTTAAAGCAGTATTTGGGAAACATGGTCCCATATCAGAAGTTCTTTTGATAAAGGATCGAACCAGCAAA
TCCAGAGGCTTTGCATTTATTACTTTTGAGAACCCTGCAGATGCTAAGAATGCTGCGAAAGATATGAAT
GGAACGTCTTTGCATGGAAAAGCAATAAAAGTAGAACAAGCCAAGAAACCATCTTTTCAAAGTGGTGGT
AGGCGGAGACCACCAGCTTCTTCGAGAAACAGAAGCCCTTCAGGAAGTCTGAGATCTGCAAGAGGAAGC
AGTGGAGGAACAAGAGGGTGGCTTCCCTCACATGAAGGGCACCTGGATGATGGTGGATACACTCCTGAT
CTCAAGATGAGTTATTCTAGGGGACTCATTCCAGTTAAAAGAGGTCCATCTTCAAGAAGTGGAGGTCCT
CCTCCGAAAAAATCTGCTCCTTCTGCTGTGGCAAGAAGCAATAGTTGGATGGGAAGCCAAGGTCCCATG
TCACAAAGAAGAGAGAATTATGGAGTTCCTCCACGCAGAGCGACAATATCTTCCTGGAGAAATGATCGC
ATGTCAACAAGACATGATGGTTATGCAACTAACGATGGAAATCATCCAAGTTGCCAAGAAACGAGGGAT
TATGCTCCACCATCTAGAGGCTATGCATACCGTGATAATGGTCATTCTAATCGGGATGAACATTCCTCT
AGAGGATATAGAAATCATCGAAGTTCCCGAGAAACTAGGGATTATGCTCCACCATCTAGAGGCCATGCA
TACCGTGATTATGGTCATTCTCGTCGGGATGAAAGTTATTCTAGAGGATACAGAAATCATCGAAGTTCC
CGAGAAACTAGGGAGTATGCTCCACCATCTAGAGGCCATGGATACCGTGATTATGGTCATTCTCGTCGA
CATGAAAGTTATTCTAGAGGATATAGAAATCATCCAAGTTCCCGAGAAACCAGGGATTATGCTCCACCA
CATAGAGACTATGCATACCGTGATTATGGTCATTCTAGTTGGGATGAACATTCCTCTAGAGGATATAGT
TATCATGATGGCTACGGTGAGGCCCTTGGTAGAGATCATTCTGAACATCTAAGTGGAAGTTCTTATAGA
GATGCACTTCAGAGGGACCTCTCATGGTGCACCACCTGCAAGAGGGCCTCGGATGTCTTATGGTGGAAG
CACCTGCCACGCATATAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

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Restriction Sites:	SgfI-MluI
ACCN:	NM_001303410
Insert Size:	1260 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).
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_001303410.1
RefSeq Size:	1890 bp
RefSeq ORF:	1260 bp
Locus ID:	159163
UniProt ID:	Q15415
Cytogenetics:	Yq11.223
MW:	47.5 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. Multiple copies of this gene are found in the AZFb azoospermia factor region of chromosome Y and the encoded protein is thought to be involved in spermatogenesis. Most copies of this locus are pseudogenes, although six highly similar copies have full-length ORFs and are considered functional. Four functional copies of this gene are found within inverted repeat IR2; two functional copies of this gene are found in palindrome P3, along with two copies of PTPN13-like, Y-linked. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, which results in a frameshift compared to variant 1. The encoded isoform (2) has a shorter and distinct C-terminus compared to isoform 1.