

Product datasheet for **RG218579**

RBMY1B (NM_001006121) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	RBMY1B
Synonyms:	RBMY1D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG218579 representing NM_001006121
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGTAGAAGCAGATCATCCTGGCAAGCTTTTCATTGGTGGCCTCAATAGAGAAACCAATGAGAAGATGC
 TTAAAGCAGTATTTGGGAAACATGGTCCCATATCAGAAGTTCTTTTGATAAAGGATCGAACCAGCAAATC
 CAGAGGCTTTGCATTTATTACTTTTGAAGCCCTGCAGATGCTAAGAATGCTGCCAAAGATATGAATGGA
 AAGTCTTTGCATGGAAAAGCAATAAAGTAGAACAAGCCAAGAAACCATCTTTTCAAAGTGGTGGTAGGC
 GGAGACCACAGCTTCTTCGAGAAAACAGAGCCCTTCAGGAAGTCTGAGATCTGCAAGAGGAAGCCGTGG
 AGGAACAAGAGGGTGGCTTCCCTCACAAGAAGGCACCTGGATGATGGTGGATACACTCCTGATCTCAAG
 ATGAGTTATTCTAGGGGACTCATTCCAGTTAAAAGAGGTCCATCTTCAAGAAGTGGAGGTCTCTCCGA
 AAAAACTGCTCCTTCTGCTGTGGCAAGAAGCAATAGTTGGATGGGAAGCCAAGGTCCCATGTCACAAAG
 AAGAGAGAATTATGGAGTTCCTCCACGCAGAGCGACAATATCTTCTGGAGAAATGATCGCATGTCAACA
 AGACATGATGGTTATGCAACTAACGATGGAAATCATCCAAGTTGCCAAGAAACGAGGGATTATGCTCCAC
 CATCTAGAGGCTATGCATACCGTGATAATGGTCATTCTAATCGGGATGAACATTCCTCTAGAGGATATAG
 AAATCATCGAAGTTCCTGAGAACTAGGGATTATGCTCCACCATCTAGAGGCCATGCATACCGTGATTAT
 GGTCTTCTCGTGGGATGAAAGTTATTCTAGAGGATACAGAAATCGTGAAGTTCCTGAGAACTAGGG
 AGTATGCTCCACCATCTAGAGGCCATGGATACCGTGATTATGGTCTTCTCGTCGACATGAAAGTTATTCT
 TAGAGGATATAGAAATCATCCAAGTTCCTGAGAAACGAGGATTATGCTCCACCACATAGAGACTATGCA
 TACCGTGATTATGGTCATTCTAGTTGGGATGAACATTCCTCTAGAGGATATAGTTATCATGATGGCTACG
 GTGAGGCCCTTGGTAGAGATCATTCTGAACATCTAAGTGAAGTTCCTATAGAGATGCACTTCAGAGATA
 CGGGACCTCTCATGGTGACCACTGCAAGAGGGCCTCGGATGTCTTATGGTGAAGCACCTGCCACGCA
 TATAGTAATACACGAGATAGATATGGCAGAAGTTGGGAGAGTTACTCGAGCTGTGGTGATTTTCATTATT
 GTGATCGTGAGCATGTTTGCAGAAAAGACCAAAGGAATCCGCCTTCTCTGGGTAGGGTGCTCCCTGATCC
 TCGTGAAGCATATGGTAGCTCAAGTTATGTGGCATCTATAGTAGATGGTGGGAGAGTCGATCTGAAAAA
 GGAGACTCGAGCAGATAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

Protein Sequence: >RG218579 representing NM_001006121
 Red=Cloning site Green=Tags(s)

MVEADHPGKLFIGGLNRETNEKMLKAVFGKHGPISEVLLIKDRTSKSRGFATITFENPADAKNAKDMNG
 KSLHGKAIKVEQAKKPSFQSGGRRRPPASSRNRSPSGSLRSARGSRGGTRGWLPSEQGHLDDGGYTPDLK
 MSYSRGLIPVKRGPSSRSRGGPPPKKSAPSAVARNSNWMGSQGPMSQRRENYGVPPRRATISSWRNDRMST
 RHDGYATNDGNHPSCQETRDYAPPSRGYAYRDNHNSNRDEHSSRGYRNHRSSRETRDYAPPSRGHAYRDY
 GHSRRDESYRGYRNRRSSRETRDYAPPSRGHGYRDYGHSRRHESYSRGYRNHPSSRETRDYAPPHRDYA
 YRDYGHSSWDEHSSRGYSYHDGYGEALGRDHSEHLGSSYRDALQRYGTSHGAPPARGPRMSYGGSTCHA
 YSNTRDRYGRSWESYSSCGDFHYCDREHVCRKDQRNPPSLGRVLPDPREAYGSSSYVASIVDGGESRSEK
 GDSSRY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001006121

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001006121.4](#)

RefSeq Size: 1887 bp

RefSeq ORF: 1491 bp

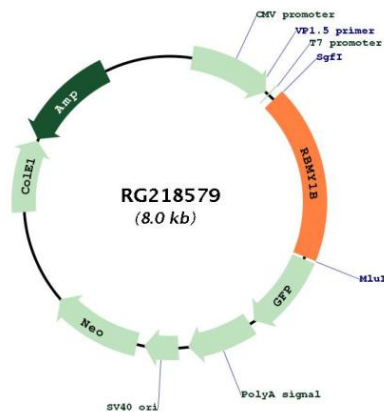
Locus ID: 378948

UniProt ID: [A6NDE4](#)

Cytogenetics: Yq11.223

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 RG218579