

Product datasheet for **MG210678**

Rrm1 (NM_009103) Mouse Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Rrm1 (NM_009103) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Rrm1 |
| Synonyms: | RnrM1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>MG210678 representing NM_009103
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCATGTGATCAAGCGAGATGGCCGCCAAGAGCGAGTTATGTTTGACAAAATTACATCACGAATCCAGA
 AACTCTGTTATGGACTCAACATGGACTTTGTTGATCCTGCTCAGATCACCATGAAAGTAATCCAAGGCCT
 ATATAGTGGGGTACCACAGTGGAACTGGACACCTGGCTGCTGAGACAGCCGCGACCTTGACCACGAAG
 CACCCTGACTATGCCATCCTGGCAGCAAGGATAGCCGTCTCTAACTTGCACAAAGAAACAAAGAAAGTGT
 TCAGTGATGTGATGGAGGATCTCTACAACACATAAAATCCGCACAACGGCAGACACTCTCCCATGGTGGC
 CAGCTCAACACTCGACATTGTTATGGCCAATAAGGATCGCCTGAATTCTGCCATTATCTATGACCGAGAT
 TTCTCTTATAACTACTTTGGCTTAAAGACTGGAACGGTCATATTTGTTGAAGATCAATGGTAAAGTGG
 CTGAAAGACCACAGCATATGTTGATGAGGGTTTCTGTGGGGATTACAAAGAAGATATTGATGCTGCAAT
 TGAACCTACAACCTACTTTCTGAGAAGTGGTTCACTCATGCCTCTCTACTCTCTTCAATGCTGGGACC
 AACCGCCACAGCTGTCTAGCTGTTTCTCTTGTAGTATGAAAGATGACAGCATTGAAGGAATTTATGATA
 CTCTGAAGCAGTGTGCCTTGATTCTAAGTCCGCTGGGGGAATTGGTGTGCTGTGAGTTGTATTGGGC
 CACTGGTAGCTACATCGCTGGGACTAATGGCAATTCTAATGGCCTTGCCCAATGCTGAGAGTATAAAC
 AACACAGCTCGCTATGTGGATCAAGGTGGAACAAGCGCCAGGCGCTTTGCTATTTACCTGGAGCCTT
 GGCACCTTAGACATCTTTGAGTTCCTTGACTTGAAGAAGACACAGGCAAGGAAGAAGCAGCAGCAGCGA
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 ATGTGTCCCAATGAGTGTCTGGTCTGGACGAGGTCTGGGAGAGGAGTTTGAAGTATATGAAAGTT
 ACGAGAAGCAGGGTCGTGTCCGAAAAGTTGTAAGCTCAGCAGCTTTGGTATGCCATCATTGAGTCCCA
 GACGGAGACCGGTACCCCATACATGCTCTACAAAGATTCTGTAACCGGAAGAGCAACCAGCAGAACCCTG
 GGAACCATCAAATGCAGCAACCTGTGTACAGAAATAGTAGAGTACACCAGTAAAGATGAGGTTGCAGTTT
 GTAACCTGGCTTCTGCTGCTGAATATGTATGTACACCCGGAACATACGTATGACTTTGAGAACTGGC
 AGAAGTCACTAAAGTCATTGTCCGAAATCTGAATAAAATAATTGATATAAACTACTACCCTATTCCAGAG
 GCACACTATCAAATAAACGCCATCGGCCATTGGAATTGGGGTACAAGGTTTAGCAGATGCTTTCATCC
 TGATGAGATACCCCTTTGAGAGCCAGAGCCAGTTATTAATAAGCAGATCTTTGAAACCATTTACTA
 TGGAGCCCTGGAAGCCAGCTGTGAACTAGCCAAGGAGTATGGCCCTATGAAACGTATGAGGGATCTCCA
 GTCAGCAAGGGTATTCTTCAGTATGACATGTGGAATGTTGCTCCTACAGACCTGTGGGACTGGAAGCCTC
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 TTCATCGATCAGAGCCAGTCTTTAAACATCCATATTGCTGAGCCCACTACGGCAAACCTCACTAGTATGC
 ACTTCTACGGTTGGAAGCAGGGTTTAAAGACTGGAATGTATTACTTAAGGACGAGGCCTGCCGCTAATCC
 AATCCAGTTCACTCTGAACAAGGAAAAACTGAAAGATAAGGAAAAGGCACTGAAGGAGGAGGAGGAGAAG
 GAGAGGAACACAGCAGCCATGGTGTCTTTGGAGAACAGAGAGGAGTGCCTGATGTGTGGATCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG210678 representing NM_009103
Red=Cloning site Green=Tags(s)

MHVIKRDGRQERVMFDKITSRIQKLCYGLNMFVDPAQITMKVIQGLYSGVTTVELDTLAAETAATLTTK
HPDYAILAARIAVSNLHKETKKVFSVDMEDLYNYINPHNGRHSMPVASSTLDIVMANKDRLNSAIIYDRD
FSYNYFGFKTLERSYLLKINGKVAERPQHMLMRVSVGIHKEDIDAAIETYNLLSEKWFTHASPTLFNAGT
NRPQLSSCFLLSMKDDSIIEGIYDTLKQCALISKSAGGIGVAVSCIRATGSYIAGTNGNSNGLVPMLRVYN
NTARYVDQGGNKRPGAFIYLEPWHLDFEFDLKKNKGKEEQARDLFFALWIPDLFMKRVETNQDWSL
MCPNECPGLDEVWGEEFEKLYESYEKQGRVRKVVKAQQLWYAIIESQTETGTPYMLYKDSCNRKSNQQNL
GTIKCSNLCTEIVEYTSKDEVAVCNLASLALNMYVTPEHTYDFEKLAEVTKVIVRNLNKIIDINYPIPE
AHLNKRHRPIGIGVQGLADAFILMRYPFESPEAQLLNKQIFETIYYGALEASCELAKEYGPYETEGSP
VSKGILQYDMWNVAPTDLWDWKPLKEKIAKYGIRNSLLIAPMPTASTAQILGNNEIEPYTSNIYTRRVL
SGEFQIVNPHLLKDLTERGLWNEEMKNQIIACNGSIQSIPDLDLQLYKTVWEISQKTVLKMAAERGA
FIDQSQSLNIHIAEPNYGKLTSMHFYGWKQGLKTGMYYLRTRPAANPIQFTLNKEKLDKKEKALKEEEEK
ERNTAAMVCSLENREECLMCGS

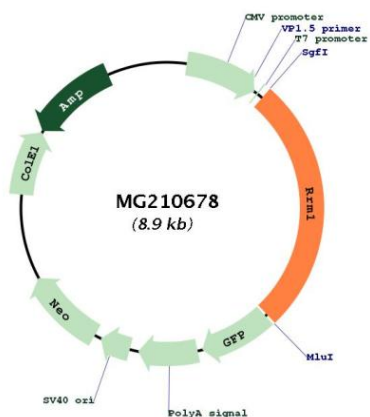
TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja2414_b10.zip

Restriction Sites: Sgfl-Mlul

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| OTI Disclaimer: | <p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p> |
| 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: | <ol style="list-style-type: none"> 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_009103.3 , NP_033129.2 |
| RefSeq Size: | 3997 bp |
| RefSeq ORF: | 2379 bp |
| Locus ID: | 20133 |
| UniProt ID: | P07742 |
| Cytogenetics: | 7 54.72 cM |
| Gene Summary: | Provides the precursors necessary for DNA synthesis. Catalyzes the biosynthesis of deoxyribonucleotides from the corresponding ribonucleotides.[UniProtKB/Swiss-Prot Function] |

Product images:



Circular map for MG210678