

Product datasheet for **MG206082**

Rrm2 (NM_009104) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rrm2 (NM_009104) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rrm2
Synonyms:	AA407299; R2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206082 representing NM_009104 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCTCCGTCCGCACCCCGCTCGCCACCATCGCTGACCAGCAGCAGCTGCAGTTGTCGCCGCTGAAGC
GACTCACCTGGCTGACAAGGAGAACACGCCCCGACTCTCAGCAGCACCCGCTCTGGCCAGCAAAGC
TGCGAGGAGAATCTCCAGGACTCCGCCGAGCTGGAAAGTAAAGCGCCTACTAACCCAGCGTTGAGGAT
GAGCCGTTACTGAGAGAAAACCCCGCCGCTTCGTTGTCTTCCCATCGAGTACCATGATATCTGGCAGA
TGTACAAGAAAGCCGAGGCTCCTTTTGGACTGCCGAGGAGGTGGACCTTCCAAGGATATTCAGCACTG
GGAAGCTCTGAAACCCGATGAGAGACATTTATATCTCACGTTCTGGCTTCTTTGCAGCGAGTGATGGC
ATAGTCAATGAGAACTTGGTGGAGCGATTTAGCCAAGAAGTTCAAGTTACAGAGGCCCGCTGTTTCTATG
GCTTCAAATGGCATGGAAAACATACACTCTGAAATGTACAGTCTCCTTATTGACACTTACATTAAGA
TCCAAGGAAAGAGAATATCTCTTCAATGCTATTGAAACAATGCCTTGTGTGAAGAAGAAGGCTGACTGG
GCCTTGCCTGGATTGGGGACAAAGAGGCTACGTATGGAGAACCGCTTGTGGCCTTTGCCCGTAGAAG
GAATCTCTTTCCGGTCTTTTGCATCGATATCTGGCTCAAGAAACGGGGCTGATGCCGGCCCTTAC
ATTTTCCAATGAGCTTATTAGCAGAGACGAGGGTTTACTGTGACTTTGCCTGCCTGATGTTCAAGCAC
CTGGTACACAAGCCAGCAGAGCAGAGGGTCCGAGAGATAATCACCAACGCCGTTAGGATAGAGCAGGAGT
TCCTCACGGAGGCCTTGCCCGTGAAGCTCATCGGGATGAACTGCACCTTGTGATGAAGCAGTACATTGAGTT
TGTGGCCGACAGGCTTATGCTGGAGCTGGGTTTTAACAAGATTTTCAGAGTAGAAAATCCGTTTGACTTC
ATGAAAAATATCTCACTAGAAGGAAAGACAAACTCTTTGAGAAGCGAGTAGCGAGTATCAGAGGATGG
GAGTATGTCGAATTCGACAGAGAACTCTTTTACCTTGGATGCTGACTTC

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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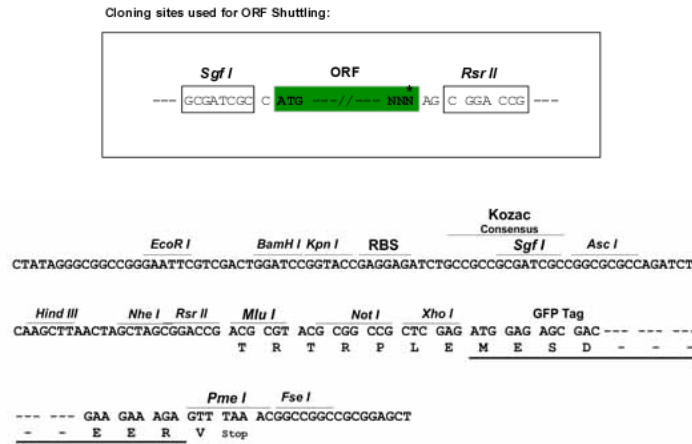
Protein Sequence: >MG206082 representing NM_009104
 Red=Cloning site Green=Tags(s)

MLSVRTPLATIADQQQLSPLKRLTLADKENTPPTLSSTRVLASKAARRIFQDSAELESKAPTNPVED
 EPLLRENPRRFVVFPIEYHDIWQMYKKAESFWTAAEEVDLSKDIQHWEALKPDERHFISHVLAFFAASDG
 IVNENLVERFSQEVQVTEARCFYGFQIAMENIHSEMYSLIDTYIKDPKEREYLFNAIETMPCVKKKADW
 ALRWIGDKEATYGERVVAFAAVEGIFFGSFSASIFWLKKRGLMPGLTFSNELISRDEGLHCDFACLMFKH
 LVHKPAEQRVREIITNAVRIEQEFLTEALPVKLI GMNCTLMKQYIEFVADRLMLELGFNKIFRVENPFDF
 MENISLEGKTNFFEKRVGEYQRMGVMSNSTENSFTLDADF

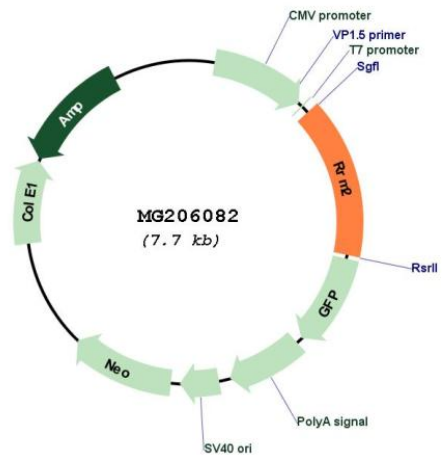
SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_009104

ORF Size:	1170 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:	<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_009104.2
RefSeq Size:	2113 bp
RefSeq ORF:	1173 bp
Locus ID:	20135
UniProt ID:	P11157
Cytogenetics:	12 8.5 cM
Gene Summary:	Provides the precursors necessary for DNA synthesis. Catalyzes the biosynthesis of deoxyribonucleotides from the corresponding ribonucleotides. Inhibits Wnt signaling (By similarity).[UniProtKB/Swiss-Prot Function]