

Product datasheet for MR206082

Rrm2 (NM_009104) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rrm2 (NM_009104) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rrm2
Synonyms:	AA407299; R2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206082 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCTCCGTCGCCACCCCGCTCGCCACCATCGCTGACCAGCAGCAGCTGCAGTTGTCGCCGCTGAAGC
GACTCACCTGGCTGACAAGGAGAACACGCCCCGACTCTCAGCAGCACCCGCGTCTGGCCAGCAAAGC
TGCGAGGAGAATCTTCCAGGACTCCGCCGAGCTGGAAAGTAAAGCGCCTACTAACCCAGCGTTGAGGAT
GAGCCGTTACTGAGAGAAAACCCCGCCGCTTCGTTGTCTTCCCATCGAGTACCATGATATCTGGCAGA
TGTACAAGAAAGCCGAGGCTCCTTTTGGACTGCCGAGGAGGTGGACCTTCCAAGGATATTCAGCACTG
GGAAGCTGAAACCCGATGAGAGACATTTTATATCTCAGGTTCTGGCTTCTTTCAGCGAGTATGATGGC
ATAGTCAATGAGAACTTGGTGGAGCGATTTAGCCAAGAAGTTCAAGTTACAGAGGCCCGCTGTTTCTATG
GCTTCCAAATTGCCATGGAAAACATACACTCTGAAATGTACAGTCTCCTTATTGACACTTACATTAAGA
TCCAAGGAAAGAGAATATCTCTTCAATGCTATTGAAACAATGCCTTGTGTGAAGAAGAAGGCTGACTGG
GCCTTGCCTGGATTGGGGACAAAGAGGCTACGTATGGAGAACGCGTTGTGGCCTTTCGCCCGTAGAAG
GAATCTCTTTCCGGTCTTTTGCATCGATATCTGGCTCAAGAAACGGGGCTGATGCCGGCCTTAC
ATTTCCAATGAGCTTATTAGCAGAGACGAGGGTTTACTGTGACTTTGCCTGCCTGATGTTCAAGCAC
CTGGTACACAAGCCAGCAGAGCAGAGGGTCCGAGAGATAATCACCAACGCCGTTAGGATAGAGCAGGAGT
TCCTCACGGAGGCTTGCCTGAAAGCTCATCGGGATGAACTGCACTTTGATGAAGCAGTACATTGAGTT
TGTGGCCGACAGGCTTATGCTGGAGCTGGGTTTTAACAAGATTTTCAGAGTAGAAAATCCGTTTGACTTC
ATGGAAAATATCTCACTAGAAGGAAAGACAAACTTCTTTGAGAAGCGAGTAGGCGAGTATCAGAGGATGG
GAGTCATGTCGAATTCGACAGAGAACTTTTTACCTTGGATGCTGACTTC

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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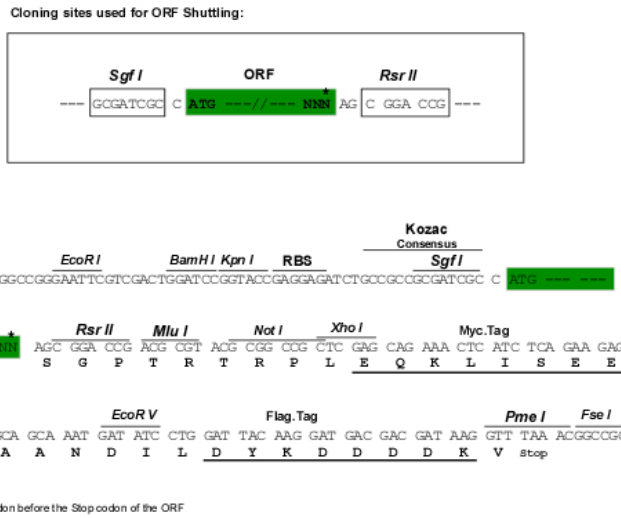
Protein Sequence: >MR206082 protein sequence
 Red=Cloning site Green=Tags(s)

MLSVRTPLATIADQQQLQLSPLKRLTLADKENTPPTLSSTRVLASKAARRIFQDSAELESKAPTNPVED
 EPLLRENPRRFVVFPIEYHDIWQMYKKAESFWTAAEEVDLSKDIQHWEALKPDERHFISHVLAFFAASDG
 IVNENLVERFSQEVQVTEARCFYGFQIAMENIHSEMYSLLIDTYIKDPKEREYLFNAIETMPCVKKKADW
 ALRWIGDKEATYGERVVAFVAVEGIFFSGSFASIFWLKRRGLMPGLTFSNELISRDEGLHCDFACLMFKH
 LVHKPAEQRVREIITNAVRIEQEFLTEALPVKLI GMNCTLMKQYIEFVADRLMLELGFNKIFRVENPFDF
 MENISLEGKTNFFEKRVGEYQRMGVMSNSTENSFTLDADF

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_009104

ORF Size: 1173 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_009104.2](#)

RefSeq Size: 2199 bp

RefSeq ORF: 1173 bp

Locus ID: 20135

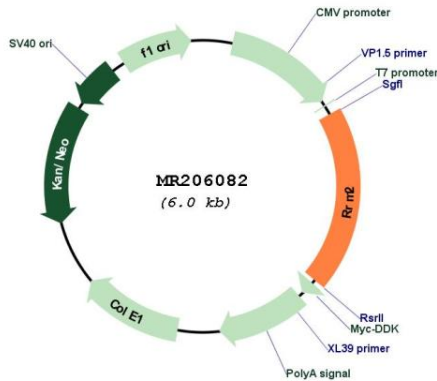
UniProt ID: [P11157](#)

Cytogenetics: 12 8.5 cM

MW: 45.1 kDa

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]

Product images:



Circular map for MR206082