

Product datasheet for **RR211010**

Prim2 (NM_001024762) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prim2 (NM_001024762) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prim2
Synonyms:	Pola3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR211010 representing NM_001024762
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAGTTCTCAGGAAGGACCCGGAAGAAGCTGAGATTGGCAGGTGACCAGAGAAACGCTTGTACCTC
 ACAGCCTTCAGTTCTATCTGCAGCCACCTACTGAAACATATCATTGACAGAGTTTGAAAGCTTGGCTTT
 TGATAGAGTAAAATTGCTTAAAGCAATTGAGAATCTTGGTGTGAGCTATGTGAAAGGAACCGAACAGTAC
 CAGAGTAAACTGGAGGCTGAGATTGCAAGCTCAAGTTTTCTACAGGGAGAACCTGGAGGATGAGTACG
 AGCCTCGGAGGAGGGACCACATCTCCACTTCATCCTGCGCCTCGCTTACTGCCAGTCGGAAGATCTTAG
 ACGGTGGTTTATTCAACAGGAGATGGATCTGCTTCGGTCCGATTCAGTATTTTACCAAGGATAAAGTC
 CAGAGTTTCTGAAGGATACTCACTTGCATTTGAGGCTATCAGTGATGAGGAGAAGACCCTTCGGGAAC
 AGGATATCATGGCGTCTCTCCAGCCTAAGTGGGGTCAGGTGGGAATCGGAGTCAGTGTATAAGTCCC
 CTTTGCTGACGCTCTGGACCTGTTCAAGGAAGGAAAGTCTACTTGAAGACGGCTTTGCTTATGTGCCA
 CTTAAGGACATTGTGGCCATTATCCTGAACGAGTTTAGAGCCACGCTGTCTAAGGCCTTGGCACTAACAG
 CCAGGTCCCTGCCTGCTGTGCAGTCCGATGAACGACTTCAAGCCTCTGCTCAGCCACCTCAGTCATTCTTA
 CACCGGCCAAGATTATAGTACCCAGAAGAGCACCGGAAGATTTCCCTTAGATCAGATTGATTTCGCTTTCA
 ACAAAATCCTTCCACCTTGCATGCGTCAGCTGCACAAGGCGCTGAGGGAAAACCACTTCTCGTCATG
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 GAAGCAAGAGTTTATCAAAGGAAAGATGGACCCAGACAAGTTTGATAAAGGTTACTCTTACAATATCCGA
 CATAGCTTTGAAAGGAAGGCAAGAGGACAGACTATACGCCATTACAGTTGCATGAAGATTATCCTGACCA
 ACCCACAAGCCAGGGGATTTCCATGGGTGCCATTCCGTCACAGTGATGCAGAGCTGGAAGCAGAA
 GATGCAGACCTACAAGATCCCTGCCTCGGGATCAGCCAGGTGGACGATTGTGGCTTTTCTTTGAATCAT
 CCGAATCAGTTCTTTTTGAGAGCCAGCAATCCTAACTGGTGGCAAAGATATCAAGAAGGAAGCAAGCC
 ACCCAGAAACGCCTCAGCACAACCCAGCACCCAGAAGACCAAGGATGCCACGTCTGCTCTGGCCTCTCT
 AGATTCTCCCTGGAATGGATCTGGAGGGCTAGAAGACTACTTTAGTAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR211010 representing NM_001024762
 Red=Cloning site Green=Tags(s)

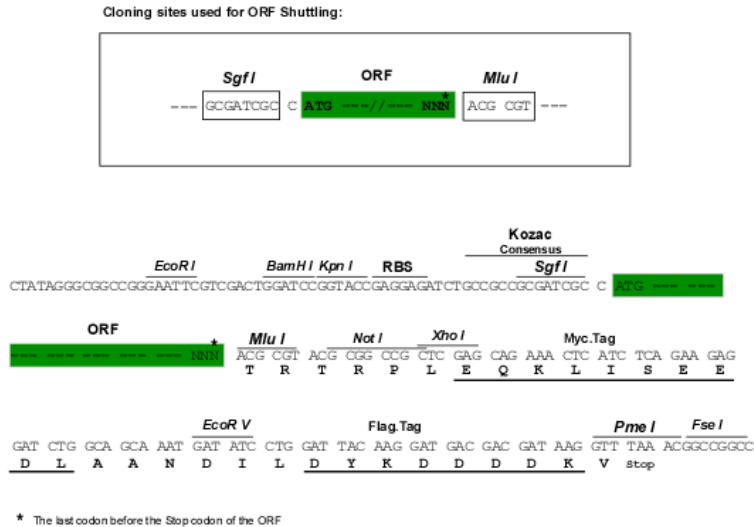
MQFSGRTRKRLLAGDQRNACYPHSLQFYLPPTENISL TEFESLAFDRVKLLKAIENLGVSYVKGTEQY
 QSKLEAEIRKLF SYRENLEDEYEPRRDHISHFILRLAYCQSEDLRRWFIQQEMDLLRFRFSILPKDKV
 QSFLKDLHLHFEAISDEEKTLEQDIMASSPSLSGVRWESESVYKVPFADALDLFRGRKVVLEDGFAYVP
 LKDIVAIIILNEFRATLSKALAL TARSLPAVQSDERLQPLL SHLSHSYTGQDYSTQKSTGKISLDQIDSLS
 TKSFPFCMRQLHKALRENHHLRHGGRMQYGLFLKGI GLTLEQALQFWKQEFIKGKMDPKFDKGYSYNIR
 HSFGEKGRDTPFSCMKIILTNPPSQDFHGCPFRHSDAELLKQKMQTYKIPASGISQVDDCGFSLNH
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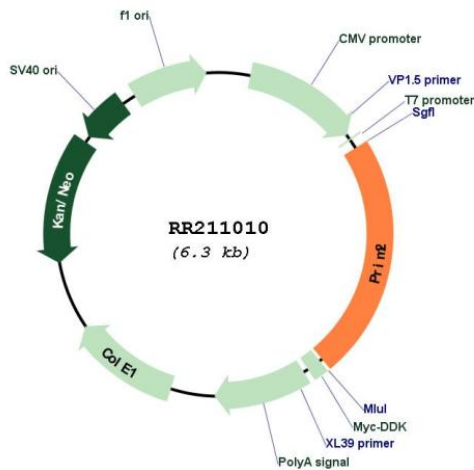
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001024762

ORF Size: 1452 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_001024762.1](#), [NP_001019933.1](#)

RefSeq Size: 2141 bp

RefSeq ORF: 1455 bp

Locus ID: 301323

Cytogenetics: 9q21

MW: 55.9 kDa

Gene Summary: may play a role in DNA replication; V288M mutation is detected in a hepatoma cell line [RGD, Feb 2006]