

Product datasheet for MR206605

Prim1 (NM_008921) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prim1 (NM_008921) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prim1
Synonyms:	A1324982
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206605 representing NM_008921 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCCATTTGATCCTGCGGAGCTGCCGGAGCTACTCAAGCTTTATTACCGAAGGCTCTTCCCTACG
CCCAGTACTATCGCTGGCTCAACTATGGCGGAGTGACAAAGAATTACTTTCAACACCGTGAATTTTCATT
CACACTGAAAGATGATATTTACATTCGCTACCAGTCCCTCAACAACCAGAGTGAAGTGGAGAAGGAGATG
CAGAAAATGAATCCATATAAGATTGATATAGGCGCAGTATATTCTCACAGACCAATCAACACAATACAG
TGAAGCTGGGAGCTTTCCAGGCCAGGAGAAAGAAGTGGTCTTTGACATCGACATGACAGACTACGATGA
CGTAAGGAGATGCTGCAGTTCGACAGACATATGTTCCAAATGCTGGACTCTCATGACAATGGCCATGCGC
ATCATAGACCGGGCATTGAAGGAGGACTTTGGATTTAAGCACCGCCTCTGGGTCTATTAGGAAGGAGAG
GTGTGCACTGTTGGGTCTGTGATGAATCCGTTGAAAGCTGTCCTCTGCTGTGCGCTCCGGGATCGTGGA
GTACTTGAGTCTTGTAAGGGTGGTCAAGATGTTAAAAAGAAAGTTCACCTAAATGAGAAAGTTCACCTT
TTGTGCAAAAATCTATAAACATAATTAAGAAAGTACTTTGAGGAATATGCCTTAGTCGGCAAGATATTC
TTGAAAATAAAGAAAAGTGGGATAAGATTTTAGCCCTGTTCTGAGACAATTCATGATGAGCTGCAAAAG
AGGTTCCAGAAGTCCACAGTTCACCTCAGCGCTGGGAACACCTGAGGAAAGTGGCCAAGTCACTCAG
AATATGAAGAACGATAAGTGGGCCCCCTGGCTGGAGTGGGAGGTCATGCTCCAGTACTGTTTCCCACGCC
TGGATGTCAACGTCAGCAAGGGAGTCAATCACTTACTGAAGAGCCCTTTCAGTGTTCCATCCCAAGACAGG
TCGGATTTCTGTGCCTATCGATTTTCATAAAGTGGATCAATTTGATCCGTTTACTGTCCCAACTATAAGT
GCCATCTGCCGGGAATTGGATATGGTTTCCACTCATGAGAAGGAAAAGGAGGAGAATGAAGCTGACAGCA
AACACAGAGTCAGAGTTACAAGAAGACCAGTCTAGCACCGTATGTGAAAGTATTTGAACAGTTTCTTGA
AAACCTGGATAAATCCCGGAAAGGGAACTTCTCAAGAAGAGCGATTTACAAAAGATTTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAAGTTTAA



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Protein Sequence: >MR206605 representing NM_008921
 Red=Cloning site Green=Tags(s)

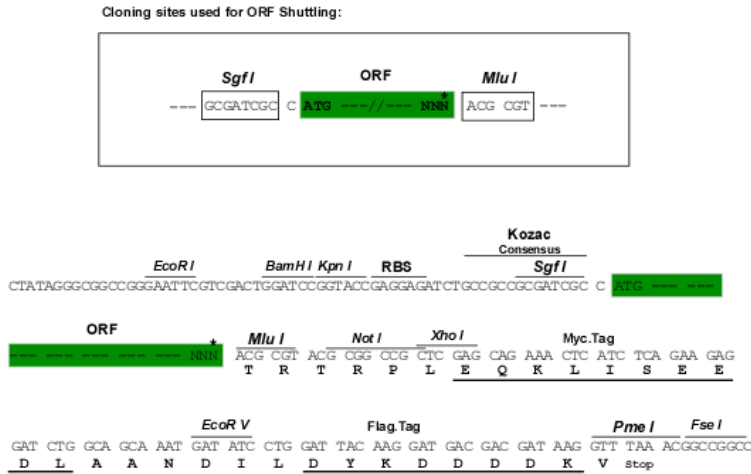
MEPFDPAELPELLKLYYRRLFPYAQYYRWLNYYGGVTKNYFQHREFSFTLKDDIYIRYQSFNNQSELEKEM
 QKMNPYKIDIGAVYSHRPNQHNTVKLGAFQAQEKELVFDIDMTDYDDVRRCCSSADICSKCWTLMTMAMR
 IIDRALKEDFGFKHRLWVYSGRRGVHCWVCDESVRKLSA AVRSGIVEYLSLVKGGQDVKKKVLNEKVHP
 FVRKSINI IKKYFEEYALVGQDILENKENWDKILALVPETIHDELQRGFQKFHSSPQRWEHLRKVANSSQ
 NMKNDKCGPWLEWEVMLQYCFPRLDVNVSKGVNHLLKSPFSVHPKTGRISVPIDFHKVDQDFPFTVPTIS
 AICRELDMVSTHEKEKEENEADSKHRVRYKKTSLAPYVKVFEQFLENLDKSRKGELLKKSDDLQKDF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9058_d06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_008921

ORF Size: 1251 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_008921.2](#), [NP_032947.1](#)

RefSeq Size: 1533 bp

RefSeq ORF: 1254 bp

Locus ID: 19075

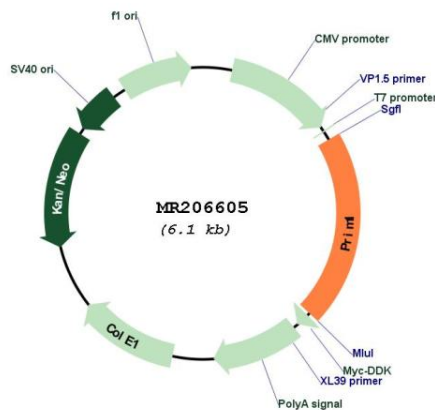
UniProt ID: [P20664](#)

Cytogenetics: 10 D3

MW: 49.3 kDa

Gene Summary: DNA primase is the polymerase that synthesizes small RNA primers for the Okazaki fragments made during discontinuous DNA replication.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206605