

Product datasheet for **RR211178**

Prim1 (NM_001008768) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prim1 (NM_001008768) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prim1
Synonyms:	MGC109113
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR211178 representing NM_001008768 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTTTCGGCAGACATATGCTCCAAGTGTGGACTCTCATGACAATGGCCATGCGCATCATAGATCGGG
CATTGAAGGAGGACTTTGGATTTAAGCACCGCCTCTGGGTGTATTCAGGAAGGAGAGGTGTACATTGTTG
GGTCTGTGATGAGTCTGTTGAAAAGCTGTCTCTGCTGTTGCTCCGGGATCGTGGAGTACTTGAGTCTT
ATAAAGGGTGGTCACGATGTTAAAAAGAAGTTACCTAAATGAGAAAGTTCACCCTTTTGTGAGAAAAT
CTATAAACATAATTAAGTACTTTGAAGAATATGCCTTAGTTGACCAAGATATTTCTGAAAATAAAGA
AACTGGGATAAGATTTAGCCCTTGTCTGAGACAGTTCATGATGAGCTGCAAAAAGGGTTTCAGAGA
TTTCACAGTTCACCTCAGCGCTGGGAATACCTGAGGAAAGTGCCAGTGCACCACAGAATACCAAGAATG
ATAAGTGTGGCCCTGGCTAGAATGGGAGATTATGCTCCAGTACTGTTCCACGCCTGGATATCAACGT
CAGCAAAGGAGTCAACCATTTACTGAAGAGCCCTTTAGTGTTCACCCTAAGACAGGTCGATTTCTGTG
CCTATCGATTTTCAGAAAGTGGATCAGTTTGATCCATTTGTTTCCAATAAGTGTATCTGCCGGG
AATTGGATGTGGTTCCACCACTGAGAAGGAGAAGGAGGAAAATGAACTGACAGCAGACACAGAGTCAG
AGATTATAAAGGACCAGCCTAGCACCATACGTGAAAGTATTTGAACAGTTTCTCGAAAACCTGGATAAA
TCTCGAAAAGGGCACTTCTCAAGAAGAGCGATTTACAAAAAGATTTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online >](#)

Protein Sequence: >RR211178 representing NM_001008768
 Red=Cloning site Green=Tags(s)

MLSADICSKCWTLMTAMRIIDRALKEDFGFKHRLWVYSGRRGVHCWVCDESVRKLSAVRSGIVEYLSL
 IKGHDVKKKVLNEKVHPFVRKSINIIKKYFEEYALVDQDILENKENWDKILALVPETVHDELQKGFQR
 FHSSPQRWEYLKVASAPQNTKNDKCGPWLEWEIMLQYCFPRLDINVSKGVNHLKSPFSVHPKTGRISV
 PIDFQKVDQDFPFVPTISAICRELDVVSTTEKEKEENETDSRHRVRDYKRTSLAPYVKVFEQFLENLDK
 SRKGALLKKSDLQKDF

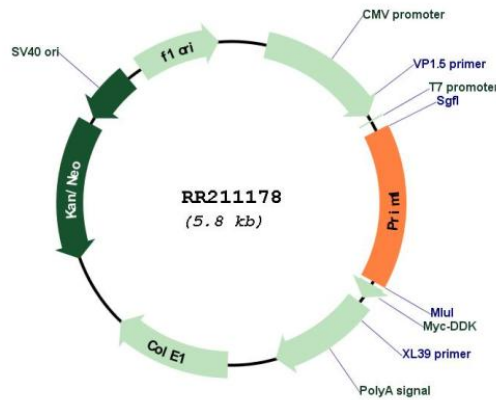
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001008768

ORF Size: 888 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_001008768.2 , NP_001008768.2
RefSeq Size:	1626 bp
RefSeq ORF:	891 bp
Locus ID:	246327
Cytogenetics:	7q11
MW:	34.6 kDa
Gene Summary:	human homolog is the catalytic subunit of a primase complex that synthesizes small RNA primers to prime DNA replication [RGD, Feb 2006]