

Product datasheet for RN211178

Prim1 (NM_001008768) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Prim1 (NM_001008768) Rat Untagged Clone
Tag: Tag Free
Symbol: Prim1
Synonyms: MGC109113
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN211178 representing NM_001008768
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCTTTCGGCAGACATATGCTCCAAGTGTGGACTCTCATGACAATGGCCATGCGCATCATAGATCGGG
CATTGAAGGAGGACTTTGGATTTAAGCACCGCCTCTGGGTGTATTAGGAAGGAGAGGTGTACATTGTTG
GGTCTGTGATGAGTCTGTTCGAAAGCTGCCTCTGCTGTTGCTCGCTCCGGGATCGTGGAGTACTTGAGTCTT
ATAAAGGGTGGTACGATGTTAAAAAGAAGTTACCTAAATGAGAAAGTTCACCCTTTTGTGAGAAAAT
CTATAAACATAATTAAGTACTTTGAAGAATATGCCTTAGTTGACCAAGATATTTCTGAAAATAAAGA
AACTGGGATAAGATTTAGCCCTTGTCTGAGACAGTTCATGATGAGCTGCAAAAAGGGTTTCAGAGA
TTTCACAGTTCACCTCAGCGCTGGGAATACCTGAGGAAAGTGGCCAGTGCACCACAGAATACCAAGAATG
ATAAGTGTGGCCCTGGCTAGAATGGGAGATTATGCTCCAGTACTGTTCCACGCTGGATATCAACGT
CAGCAAAGGAGTCAACCATTTACTGAAGAGCCCTTTAGTGTCCACCCTAAGACAGGTCGATTTCTGTG
CCTATCGATTTTCAGAAAGTGGATCAGTTTGATCCATTTGTTTCCAATAAGTGTATCTGCCGGG
AATTGGATGTGGTTCCACCACTGAGAAGGAGAAGGAGGAAAATGAAACTGACAGCAGACACAGAGTCAG
AGATTATAAAGGACCAGCCTAGCACCATACGTGAAAGTATTTGAACAGTTTCTCGAAAACCTGGATAAA
TCTCGAAAGGGCCTTCTCAAGAAGAGCGATTTACAAAAGATTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001008768
Insert Size: 891 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_001008768.2</u> , <u>NP_001008768.2</u>
RefSeq Size:	1626 bp
RefSeq ORF:	891 bp
Locus ID:	246327
Cytogenetics:	7q11
Gene Summary:	human homolog is the catalytic subunit of a primase complex that synthesizes small RNA primers to prime DNA replication [RGD, Feb 2006] Transcript Variant: This variant (2) uses an alternate splice site in the 5' coding region, which results in a frameshift, compared to variant 1. It encodes isoform 2, which has a shorter and distinct N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from genomic sequence data because no single transcript from the reference strain was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.