

Product datasheet for **RR203078**

Clk1 (NM_001106913) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clk1 (NM_001106913) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Clk1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR203078 representing NM_001106913
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGACATTCAAAGAGAACTTACTGTCCTGACTGGGATGAAAGAGATTGGGATTATGGAACATGGAGAA
 GCAGCAGCAGTCATAAAAGAAGGAAGAGATCACATAGCAGTGCCCGTGATTATAAGCGATGCAAATACAA
 TCACTCCAAAACAACGGACAGCTATTATCTGGAAAGTAGATCCATACATGAGAAAGCCTATCACAGCCGA
 CGCTATGTTGATGAATACAGGAATGACTACATGACCTACGAGCCAGGGTATCCCTATGGAGAACCTGGAA
 GCAGATACCAGAATCATAGTAGCAAGTCTCTGGTAGGAGTGGAAGAAGCAGTTACAAAAGCAAACATAG
 GAGTCACCACCACAGTCACATCGTCGTTACATGGGAAGAGTACCCGAAGGAAAAGATCGAGGAGTGTA
 GAGGATGATGAGGAGGTACCTGATCTGTCAGAGTGGAGACGTACTAAGTGCAAGATATGAAATTTGTTG
 ATACTTTAGTGAAAGTGCTTTTGGAAAAGTGGTGGAGTGTATCGATCATAAAGTGGGAGGTAGACATGT
 AGCGGTAAAAATAGTTAAAAATGTGGATAGATACTGTGAAGCTGCTCAATCGGAAATACAAGTTTTGGAA
 CACTTAAATGCAACAGACCCCATAGTACTTTCGGTTGTGTCCAGATGTTGGAATGGTTTGAGCACCAGG
 GTCACATTTGCATTGTGTTTGAACCTTCTGGGGCTTAGTACTTACGATTTCAATTAAGGAAAACAGCTTTCT
 GCCGTTTCGAATGGATCATATCAGGAAGATGGCATATCAAATATGCAAATCTGTAACCTTTTTGCATAGT
 AATAAATTGACTCACACAGACTTGAAGCCTGAAAAATCTTATTTGTGAAGTCTGACTACACAGAGGCTT
 ATAATCCCAAAATGAAACGTGATGAACGCACTATAGTAAATCCCGATATTAAGTGGTGGACTTTGGGAG
 TGCAACATATGATGACGAACATCACAGCACATTGGTATCTACAAGACATTACAGAGCACCAGAAGTCATT
 CTAGCCCTAGGGTGGTCACAACCATGTGATGTCTGGAGTATAGGATGATTCTTATCGAGTATTATCTTG
 GATTTACAGTTTTTCCGACTCATGATAGCAGGGAACATTTAGCAATGATGGAAGGATTTCTGGACCACT
 GCCAAAGCACATGATTGAGAAAACAGGAAACGCACATACTTCCATCACGATCGATTGGATTGGGATGAG
 CACAGTCTGCTGGCAGATATGTTTCTCGGCGCTGTAAGCCTCTGAAGGAGTTTATGCTGTCTCAGGATG
 CCGAGCATGAGCTTCTCTTTGACCTCATTGGGAAAATGTTGGAGTATGATCCAGCCAAAAGAATCACTCT
 CAAAGAAGCCCTAAAGCATCCTTTCTTTTACCCGCTTAAAAAGCATAACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR203078 representing NM_001106913
 Red=Cloning site Green=Tags(s)

MRHSKRTYCPDWERDWDYGTWRSSSSHKRRKRSHSSARDYKCRCKYNHSKTTDSYYLESRSIHEKAYHSR
 RYVDEYRNDYMTYEPGYPYGEPSRYQNHSSKSSGRSGRSSYKSKHRSHHHTSHRRSHGKSHRRKRSRSV
 EDDEEGHLICQSGDVL SARYEIVDTL GEGAFGKVV ECI DHKVGGRHVAVKIVKNVDRYCEAAQSEIQVLE
 HLNATDPHSTFRVCVQMLEWFEHRGHICIVFELLGLSTYDFIKENSFLPFRMDHIRKMAYQICKSVNFLHS
 NKLTHTDLKPENILFVKSDYTEAYNPKMKRDERIVNPDIKVVDFGSATYDDEHSTLVSTRHYRAPEVI
 LALGWSQPCDVWSIGCILIEYYLGFVFPHTDSREHLAMMERILGPLPKHMIKTRKRTYFHHDRLDWDE
 HSSAGRYVSRCKPLKEFMLSQDAEHELLFDLIGKMLEYDPAKRITLKEALKHPFFYPLKKHT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

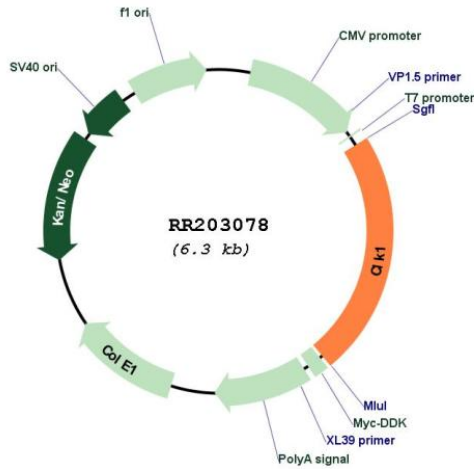
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106913

ORF Size: 1449 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_001106913.2](#), [NP_001100383.2](#)

RefSeq Size: 1791 bp

RefSeq ORF: 1452 bp

Locus ID: 301434

Cytogenetics: 9q31

MW: 57.1 kDa