

## Product datasheet for **RR206062**

### Gen1 (NM\_001106717) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gen1 (NM_001106717) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gen1
Synonyms:	RGD1559792
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide  
Sequence:

>RR206062 representing NM\_001106717  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGAGTGAATGACCTGTGGCAAATTTTGGAGCCTGTAAAGCAACATATCCACTTGCAGGATCTTTGTG  
GGAAGACCATTGCCGTTGATTTGAGTCTCTGGGTATGCGAGGCACAGACAGTGAAGAAAATGATTGGAAC  
TGTCATGAAGCCCCACCTCAGGAACCTATTTTTTCGATTTTCATATTTAACTCAAATGAATGAAAACTG  
GTGTTTGTGATGGAAGGGGAGCCACAAAGCTGAAAGCTGATGTCATGAACAAGAGGACTCAGACTCGAT  
ACGGGCCCTTCTGAAAAATCGAGGTCTCAGAAAACAGGGAGATCGCATTTTAAAGTCACTTACGAGAGTG  
CCTTGAATGCTAGAGTGCCTAGGAATGCCCTGGGTCCAGGCTGCGGGGGAAGCTGAGGCCATGTGTGCT  
TACCTTAATGCCAGCGCCATGTGGACGGCTGCCTACCAACGACGGCGATGCTTTCCTTATGGAGCCC  
AGACTGTGTACAGGAATTCACCATGAACACAAAGGATCCACATGTTGACTGTTACACGGTATCATCTAT  
CAAGAGTAAGCTAGGCTTGGATCGAGATGCTCTGGTGGGACTGGCGGTACTTCTTGGTTGTGATTACCTT  
CCGAAGGGAGTGCCTGGAGTTGGAAAAGAACAAGCGTTAAAACTTTTGCAGATTTTGAAGGTCAAAGTT  
TGCTTCAGAGTTTAAACAGTGGACTGAAGAACCTGGCTACTCTGTTCCACAATCAGCAGAAAAAAGT  
GGTTCAGTCTCGGTGTGTTCCCATCCAGGTTCTCCTAAGGATCATGAACGCAATGGGTGCACACTATGT  
AAAAGTGATAGATACTGTGAACCACATGATTATGAATACCTCTGTCTTGTGAATGGCACCAGACAGACC  
ATAATAGGCAACTAAATGAAATAGAAAACAATATTAAGAAAGCTTGCAGTTGCGAAGGATTTCCATT  
CCATGAGGTCAATCAAGAATTCCTTTGAAATAAGAATAAACTGTTAAAACCGATCAGGTACCAAAGACCT  
GATTTATTATTGTTTTCAGAGATTTACTGTTCAAAAAATGGAGTGGCCAGTCACTATGCGTGTGAAAAAT  
TGTTGGCTTTTGAACCGCTATGACATGATAGAAAAGAAAATGGTGAAGAACTTCCAATCAACTACA  
GCCAATTAGAATTGTTAAACCTCGAATCAGAAATGGAGTCTGTTGTCTTGAATAGAATGGGAAAAGCCT  
GAACATTATTCGGTAGAAGATACACAACCTGGAGGACTGGATCTCCTTACAATCGAAGAAGCATCACTGT  
TTGAAGCAGCCTATCCTGAAGTTGTAGCTATCTACCAGAAAACAACAGTCAGAAACTAAAGGGAAGAAAACA  
GAAAAATATAAAATTAAGCCAAAGGAAGCCATCTACCAGAATCAGATGATGTGATCAGTTCCAGTCA  
CTTATTACTTTAGAACCTATATCAAAGCCTTCCCAAGCAGAATCCCAAATTTGATTTGGAATTTCTC  
CAGATCCTATTTAGCACAGGAGTCTACTTCTCCCTCATTGAGTAGTTTTGTTCCCTGAAAATGCTCT  
TGGTTTGAATTTGCAAGAACAGTTAATGCCTTCCAAGAACTTTGGCTGTAAAGCAAATAAAGATGTC  
AGTAATTTCTAGTTTCAGAGTGTAGTCAGCCAGTCTTTCATCCATAATATTTCTGTGATTACTGATC  
TACACTTGAGTACCATTGACTGGCAGGTAATCTTTTAGTAATTCAGCAGTTCAAAGAAACACTTT  
CTCTCAAGATTTACAATCAGAACCTGAATCATCAGCCATCCTTCTGCCTTTGAACAGTTGTGCATATGAA  
TCAGAACAATGTACCTTAAGCAACAAAGTGTCCAATAGAGGTCTTCAAGAGAGTGGTCTGAAGAGCATC  
TCCTTTCCAGCATCACTGGTTTACATCTTACGATTTGCCTTAAAGGAAAGAATACATATAAAATCTTC  
ATGCCCTCAGTATAATGTAGGAGCAGATGCTGACCTGGAAAGTTTACCCCTAACAAATGAATCACTCTTGC  
ATTGCTTACAGTAGCTCTGGTGGTTTATCCCATTTTTCGAAGGATCTTACAGGGGTATATCTTCAGAAAG  
AGCTCAGAAACTCTAAAGTTCTAGACAGCCACTTCCCTCAAGAAAATTCAGGGTGAATCTTCTTACC  
TTATTCTTTCAATGACGAAGCAGTAAAGACTTCCAGTCTTCAAGTTGGGCTGCCAACTGCTGTACCT  
CATAATCCAAAAGTTGATGTGAAAACCTAAGAACCTTGTCAAGAAGAGTAGTGTTCCTCAAGAGAGATT  
CCTCAGATGAAGAGAATGCTGCAGTGTCTGGAAGCTAAGTATACTGCTCCTAAATGAAACACAGCTC  
TCATAATCATAGCCTAGTCCATGACAGAGACAGTACTCACAACAAACACAGAAATCCGAAAGATGAATCT  
AACGAAACCAAATGTGTACTGAGTCTTTTAAAAATAGCTGAAGATGAAGAAAACAAGTTCTCAGATCCAG  
CAAGAAATCCCCAGAGTTTTCTACAATGTCATAACAAGGATGAGGACTCTGCTGACTGCTGGGAAAGTCC  
TCTCCCTTACGCCAGAGGTTAAAGCTCAGGTTCCAGAACACTCAAAGTAGACTTTATAACT

**ACGCGT**ACGGCGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR206062 representing NM\_001106717  
 Red=Cloning site Green=Tags(s)

MGVNDLWQILEPVKQHIHLQDLGKTIIVDL SLWVCEAQTVKKMIGTMKPHLRNLFRRISYLTQMNVKL  
 VFVMEGEPKPKADVMNKRQTQTRYGSPGKSRSQKTGRSHFKSVLRECLEMLECLGMPVWQAAGEAEMCA  
 YLNASGHVDGCLTNDGDAFLYGAQTVYRNFMTMTKDPHVDCYTVSSIKSLGLDRDALVGLAVLLGCDYL  
 PKGVPGVGKEQALKLLQILKQSLLRQFNQWTEEPGYSVPQSAAKKVVHCSVCSHPGSPKDHENRGCTLC  
 KSDRYCEPHDYELCPCEWHQTDHNRQLNEIENNIKAKACEGFPFHEVIQEFLSNKNKLLKPIRYQRP  
 DLLLFRFTVQKMEWPSHYACEKLLVLLTRYDMIERKLGRKTSNQLQPIRIVKPRIRNGVCLEIEWEKP  
 EHYSVEDTQPGGLDLLTIEEASLFEAAYPEVVAIYKQSQSETKGKKQKNIKIKPKGSHLPESDDVISSQS  
 LITLPEISKAFPKQNPKFDLEISDPILAQUESTSPSLSSFVSPENALGLNLQEQLMPSRPTLAVKQTKDV  
 SNFLVSECSQPSSSSHNISVITDLHLSTIDWAGTSFSNSPAVQRNTFSQDLQSEPESSAILPAFEQLSYE  
 SEQCTLSNKVSNRGLQKSGPEEHLSSITGLHLHDLPLKERIHIKSSCPQYNVGADADLESPLTMNHSC  
 IAYSSSGSSSHFSKDLTGYYLQKELRNSKVLDSHFLQENFRVNTSLPYSFNDEAVKTSLLQVGLPTAAVP  
 HNPVKDVKTKNLVKKSSVCLKRDSSDEENAAVSWKAKYTAPKLKSHSHNLSLVHHRDSTHNKHRNPKDES  
 NETKLCESFKIAEEDENKFSDPARNPQSFLLQCHNKDEDSADCWESPLPLRQRLKLRQNTQSRLYNT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

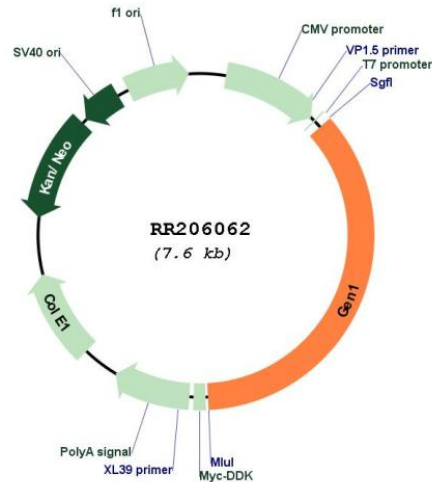
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



## Plasmid Map:



ACCN: NM\_001106717

ORF Size: 2724 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\\_001106717.1](#), [NP\\_001100187.1](#)

RefSeq Size: 4285 bp

RefSeq ORF: 2727 bp

Locus ID: 298884

Cytogenetics: 6q15

MW: 102.3 kDa