

## Product datasheet for **RR200552**

### **RGD1311084 (NM\_001100979) Rat Tagged ORF Clone**

#### Product data:

Product Type: Expression Plasmids  
 Product Name: RGD1311084 (NM\_001100979) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: RGD1311084  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >RR200552 representing NM\_001100979  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTTCCGGCGCCAGCCCATGGACAGGACCCCGGCTTACAAGCCCAAGGGGTATCCCGACGGGTCCACCC  
 GACGCCGCGCCCTTCAGCAGCTACAGATGCTGCTGCCACGCTCGACGGCCGTGCGGGGCGAGGCGCAGA  
 CGGCGCGTGGTGGCGGGACCGCAAGTCCAGCACCTGTCTTCCCGTCCCGGAGTCCCGTACGCTTCG  
 CGGGCCGTGGGGCCCTGCGTGCCTGCTGCTGCCCGCGCTGCTGCAGAGCAGCTTGACCCGGAGGCGG  
 GGGCTCGGGGAACCGGACCGCGGACCGGGACAACCTGACGCCCTGGGCAGCTGCTGGGGGAAT  
 GCTGCCCAACAAGTTCCGCCACTTCTTACCAGCTGCGCGCAAGATCGCAGAGCCAGAGCGGACCGT  
 GAGGCCGCGGGGTGGGGTGGGTGCAGAGTCTTGGGGTCCCAAGCGAGAACCCGCTCCATCTCACTGGG  
 CTGTCTCCCGCTTTTCTTTCTTCTCCTCCCAGCACCTCAGCGCCACAGTACTCCAGCAGTCCATC  
 CGAGCACTGCCAGCTTCTCGGTGTTCCAGCAGCTCTTCTCCCAGACTCGTGGGACCAACCATTTGAAC  
 TGGGACGACAGTTTTAGAGAGAAGACTACCCTGGGGTCCAAAAGGTGAATTCGTAGAGCCAAAAGG  
 CCCATCCCGCTCTGGAGAAGGCTCAAGACCCCGCAGACGGTATTGTCTTCCGGGTGCGATTGCGAGA  
 CGAGACCTTGACGATACAGCACTCCGGTACTGGGAACGTAACCGGCAGTCCGGCAGAATATCTTACCG  
 AGCGAGCAGACGGCTTTGCCAGTGTATCTGTGTCAGAGCGAGTCTTGGGAGTGTGGGAGATGGTTGG  
 ACAGTCTGCCAGAGCCCTTCAACCCAGGGTCCAAGACACCGCGCTAGCTCCTCATGCTGGAACCTGCC  
 CCGCAGTCAGCTCAGGAACCACAGCTCTACCTTCTGAGGATGCCACCGTGAGCAGCCGCTACCTTCT  
 ATCTCCAGGGCCACCGCCCAAGGCCAAGGGGAGGCCTAAGAACCTTCTGGACACCCCTAACAAATCCGG  
 AGCAGGTGGGCAAATCGCCCTGTCCCGGAGCCAGAAGCTGGAATCCTTCTGCCAGTTTGGTGTGCA  
 GACCGTTCTAAGCAAGGCCGCCCTAAGGGTACCAGCTCCTTCTGCCGACCACAAAACCGGCAGCAGGCT  
 CACAGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



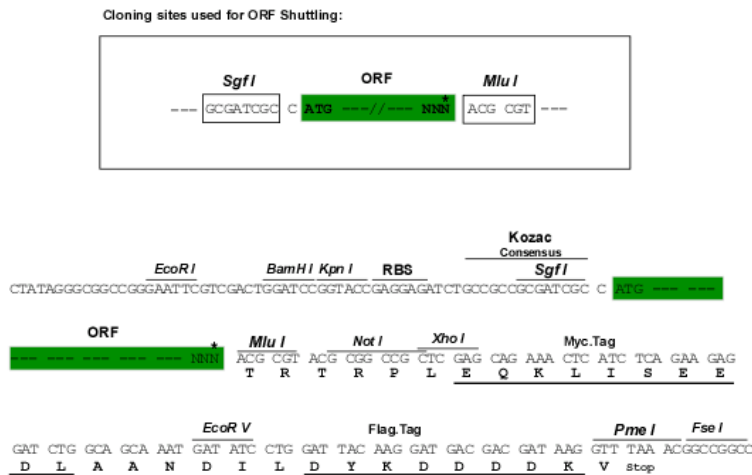
**Protein Sequence:** >RR200552 representing NM\_001100979  
Red=Cloning site Green=Tags(s)

MFRRQPMDRTPAYKPKGYPDGSTRRRALQQLQMLLPTLDGRAGRGADGAWWRDRKSQHLSSPSPESPYAS  
RGRGALRALLPPLLQSSLTREAGARGNRQPADRDNDALGTLGELLPNKFRHFLHQLRAKIAEPEADR  
EAAGVGWGAESWGPKEPAPSHWAVLPLFLSFLLPAPSAPQYSSSPSEHCPASRCSSSSFLPDSWDQPLN  
WDDSFREKTTLLGLPKGEFVRAKKAHPPSGESRPRRRYCPFRVRFADETLQDTALRYWERNRAVRQNILP  
SEQTALPAVSVSERVLGSGVRWLDLPRALQPRVQDTAASSCWNCPRESAQEPQLYLS DATVSSRLPF  
ISRATAPRPRGGLRTFLDTPNNPEQVGKSPCGSQKLESFLPSLVLTQVTKQGRPKGYQLLLPTNRRQA  
HR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001100979

**ORF Size:** 1266 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\\_001100979.1](#), [NP\\_001094449.1](#)

**RefSeq Size:** 1535 bp

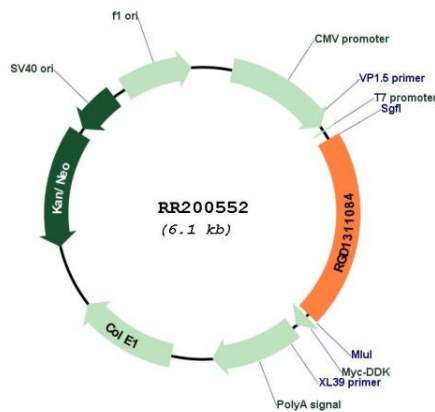
**RefSeq ORF:** 1269 bp

**Locus ID:** 311852

**Cytogenetics:** 3p12

**MW:** 47 kDa

**Product images:**



Circular map for RR200552