

## Product datasheet for **RR202681**

### Drg1 (NM\_001009685) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Drg1 (NM\_001009685) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Drg1  
Synonyms: MGC94569  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR202681 representing NM\_001009685  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAGTGGGACCTTAGCGAAGATCGCGGAGATCGAAGCCGAGATGGCTCGGACTCAAAGAACAAGCTA  
CAGCACATCACCTTGGACTGCTTAAGGCTCGCCTTGCTAAGCTTCAAGAGAGCTTACTCCTCAAAGG  
TGTTGGTGGTGGTGGGCCAGGAGAAGGTTTTGATGTGGCCAAGACAGGCGATGCTCGAATTGGGTTGTG  
GGTTTTCCCTCTGTGGGAAGTCAACTCTGCTAAGTAAGTCTAGCAGGAGTGTATTCTGAAGTGGCAGCCT  
ACGAGTTCACTACTTTGACCACAGTACCTGGTGTATCAGATACAAGGGGCCAAGATCCAGCTCCTGGA  
TCTCCAGGTATCATTGAAGGTGCCAAGGATGGGAAAGGTAGAGGTGTCAGGTCATTGCAGTGGCCCGA  
ACGTGTAATTTGATCTTGATTGTTCTGGATGTCCTAAAACCCCTTGGGCAACAAGAAGATAATTGAAAATG  
AGTTGGAAGGCTTTGGGATTCGTTTGAACAGCAAACCCCAACATTGGCTTTAAGAAGAAAGACAAGGG  
AGGCATTAATCTCACAGCCACTGTCTCAGAGTGAAGTGAAGTGAACCGTGAAGAGCATTCTGGCT  
GAATATAAAATTCATAATGCTGATGTAACCTTTCGCTAGTATGCCACAGCTGATGACCTCATCGACGTGG  
TTGAAGGAAACAGAGTTTATATCCCTGTATCTATGATTAATAAGATTGATCAGATCTCCATTGAGGA  
GTTGGATATTATATAAGGTGCCTCACTGTGTACCCATCTGCTCATCACCGCTGGAATTTTGATGAC  
CTTTTGGAGAAGATCTGGGACTATCTGAAACTAGTGAGAATTTACTACTAAACCAAGGCCAGTTACCAG  
ATTACAGTCTCCAGTAGTCTGCCTTATTCTAGGACCACGGTGGAAAGTTTCTGCATGAAGATTCACAA  
AAATCTGATCAAAGAATTTAAATATGCTTTGGTCTGGGTCTCTGTGAAACATAATCCTCAGAAAGTG  
GGTAAAGACCATACGTTGGAAGATGAAGATGTCATTGATGATCGTGAAGAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR202681 representing NM\_001009685  
 Red=Cloning site Green=Tags(s)

MSGTLAKIAEIEAEMARTQKNKATAHHLGLLKARLAKLRRELITPKGGGGGPGEGFDVAKTGDARIGFV  
 GFPSVGKSTLLSNLAGVYSEVAAYEFTLTTVPGVIRYKGAQIQLLDLPGIIEGAKDGGKGRGRQVIAVAR  
 TCNLIILIVLDVLPKPLGHKKIIENELEGFIRLNSKPPNIGFKKKDKGGINLTATCPQSELD AETVKSILA  
 EYKIHNDVTLRSDATADDLIDVVEGNRVYIPCIYVLNKIDQISIEELDIYKVPKVPISAHHRWNFDD  
 LLEKIWDYKLVRIYTKPKGQLPDYTPVVLPSRTTVEDFCMKIHKNLIKEFKYALVWGLSVKHNPKQV  
 GKDHTLEDEDVIQIVKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

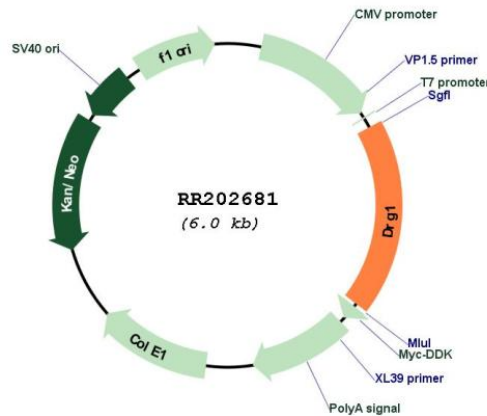
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001009685

<b>ORF Size:</b>	1101 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001009685.1</a> , <a href="#">NP_001009685.1</a>
<b>RefSeq Size:</b>	1712 bp
<b>RefSeq ORF:</b>	1104 bp
<b>Locus ID:</b>	305470
<b>Cytogenetics:</b>	14q21
<b>MW:</b>	40.5 kDa