

## Product datasheet for **RR205841**

### **G2e3 (NM\_001106726) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	G2e3 (NM_001106726) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	G2e3
Synonyms:	RGD1310263
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR205841 representing NM\_001106726  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAATGAAAATAAACCTGGTAATTCACAAAGTCTTGCTTGTGTTTTCTGCCAAAAAATGATGACTGTC  
 CCAATAAATATGGAGAAAAGAAAACGTGTGAAAAATGGAATTCAGTGTCCACTACTACTGTTTGTAAAT  
 GTCAAAGTGAATTTGGCAGAGAGGTAAGAAGAAGAAGGAGTTTATGGCTTCTAATAGAAGACATCAGG  
 AAGGAGGTCAATAGAGCTTCAAACGTAAATGTACAGTCTGCAAGAAGAATGGTGTCTCAATCGGATGTG  
 TTGTACCCAGTGTAAACGAAGTATCACTTGCCTTGTGGACTTCAGAAAAGATGATTTTCCAGTTCAC  
 TGACAATTTTGCCTCATTTTGTGGAACATCGACCGTTCAAGCAATTACATCTAATAAATATAGAGAC  
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 GCTGTAAGAATGCTTGGTTTCATAGAGACTGTTTACAGGTTCAAGCAATAAACCGCAGGAGTGTTCCTT  
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 GAAAAAGATGCATCCTGGGAGTTAGAAGAAAATGCTTATCAAGAGCTGTTGCAGAGCCATGACCGCTGTG  
 ATGTCCGAAGATGCACTGCAAAGAGGGCAGAGAGTACAATGAACCTAATAGCAAATGGGAAATAAAGCG  
 ATGTCAAGTGTGTGGTTCTAGTGGAAACACACTTGGCCTGTTTCTCACTCCAGTCTTGGGAAAAAATTTGG  
 GAGTGTGGACTGTAGAAGAATGGCTACACTTCAGATTTCAAAGGCCCCAAACACCCATTAGCCA  
 ACTCTACTAATGTGACAGTACTGACTGCTTGTGGAAGAGTCTGCACCTAAGCTCCCCAGACAGTCAAC  
 TGAGCCAGCAGAAAAGAACTACTGAGGCAAGGCAAGCAATTTAGGAGAGACATTTCAACAATATTGATA  
 GAGTTAGGATTTCAAATTAAGAAAGAAAGCTAAGACATTATACATCAACAAGGCCAATGTGTGGAGGAGTG  
 CAGTAGAGCAATTCAGAGCCAGAAGTTAACCCTTCACTCCATTGAAGTGTGTATGTTAATGACAA  
 TGATGAGGTTGGAAGCAAGCATCCTGGATCAAAGCAGGAATTTCTGAGTCACTTAATGCACCATCTTGAG  
 AATTCATCAGTGTGTTGAAGGCTCCTTGGCAAAGAATTGTCTCTAAATCTCAAGCTGTGAAAGAGAATC  
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 CTTGATGTGGCACAGATTATAATCAAGATAGACACTGCAGCTGATTTAAACATTTAAAAATCAGTAATAA  
 ACGAATACTATAACTACCTAGAGTTTGTGGATGTTAAGACTTATGACAACATTAAGTATAAATACAT  
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 ATAAACCTGAGAGTCTCTGCAAAAAACCTCAGTGATCTTTTACAATCCACAAGTTACCAGATGTAAA  
 AACTTCGAGGTTTTGGAACAGTACTTACAGGCTGTAGAGGATGGAAAGTCTGCAACAACACTGGAAGAC  
 ATTCTTCAATTTGCAACCGGCTGTAGTTCCGTTCCACCTACTGGATTTAAACCCGCTCCTCCATTGAAT  
 GTCTGCATGGCGATTTTCTGTTGCGAACAAGTGAATAACTGTTTAGCTCTACCTGTCACCAACACATA  
 TGAGGAGTTCAGGAAAATATGGATTTTGGCATAAGAGACTCTATAAGACTAGAAAAGGAAGAAAGGTCT  
 CACTTATTACCTCGGACATTAATGTTTCTTCTAATGAAGAAATGCTGTTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR205841 representing NM\_001106726  
 Red=Cloning site Green=Tags(s)

MNENKPGNSQSLACVFCRKNDPCPNKYGEKKTCEKWNFSVHYCYLLMSSGIWQRGKEEGVYGFLLIEDIR  
 KEVNRASKLKCTVCKKNGASIGCVVPQCKRSYHLPCGLQKECIFQFTDNFASFQWKRHPVQAITSNKYRD  
 SLPCTICLEFVEPIPTYNILQSPCKNAWFHRDCLQVQAINAGVFFRCTLNNTDIFQKEMLRMGIHIP  
 EKDASWELEENAYQELLQSHDRCDVRRCHCKEGREYNENPSKWEIKRCQCCGSSGTHLACSSLQSWEKNW  
 ECLDCRRIAYTSDFQKAPKHLANSTNVTVDCLLEESSPKLPRQSTVAQQKELLROGSKFRRDISTILI  
 ELGFQIKKAKTLYINKANVWRSQVQFQSQKFNPSYSIEVVYVNDNDEVGSKHPGSKQEFLLSHLMHLE  
 NSSVFEGLAKNLSLNSQAVKENLYEAGKMLAISLVHGGPSPGFFSETLFKCLAYGPENALPTLDDVSD  
 LDVAQIIKIDTAADLNILKSVINEYNYLEFSGCLRLMTLSDKMYLVKDILFYQVIKRVKAPFESFKQ  
 GLKTLGVLEKIQAYPEAFYNILCHKPESLSAKNLSLFTIHKLPDVKTSRFWNSYLQAVEDGKSATTLIED  
 ILHFATGCSSVPPTGFKPAPSI ECLHGDFPVANKCNCLALPVTNTYEEFQENMDFAIRDSIRLEKEERS  
 HLLPRTLNVSSNEEMLF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

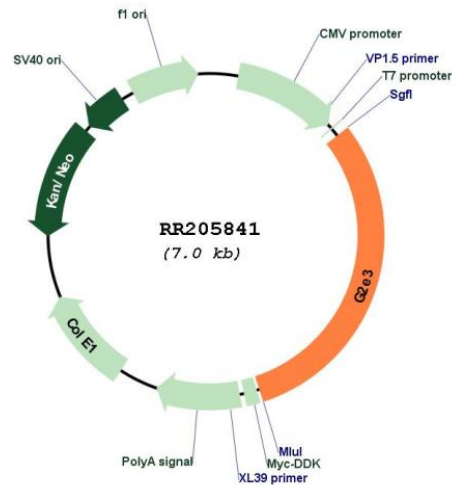
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



## Plasmid Map:



ACCN: NM\_001106726

ORF Size: 2151 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\\_001106726.1](#), [NP\\_001100196.1](#)

RefSeq Size: 4952 bp

RefSeq ORF: 2154 bp

Locus ID: 299002  
Cytogenetics: 6q22  
MW: 81.9 kDa