

## Product datasheet for **RR202987**

### Dgcr2 (NM\_001012146) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dgcr2 (NM_001012146) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dgcr2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RR202987 representing NM\_001012146  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGCCCAAGGCAGACAGCGGTGCCTTCTGCTGCTCTTCTGCTGGTTCTCACTGTCAACGAGCCGC  
 TCGCGCCAGAGCTTCGGTGCCACCCCGGCAGTTTGCATGTACAGTGGCATCATCCAGTGCATACCCCT  
 CCCCTGGCAGTGTGACGGCTGGCCAACGTGTGAGGATAAGAGTGAAGCCGACTGTCCGGAAGTGACT  
 GGAGAGGCCCGTCTTATGGGAAGGAACTGTGGACTGCGGCAGGGGCGAACAGAGGAGGGGACCCCA  
 CACACTCCACACAGTGAATGTGGCTCAGCCTGTCCGCTTACAGAGGAAATGCCAAGCGGGTGGCACCA  
 CTACGAAGGCACAGCCAGCTGCTACCGGTCTACCTCAGTGGAGAGAACTACTGGACGCCGCACAGACC  
 TGCCAGCGTGTGAACGGCTCCCTTGCCACCTTCTCCACTGACCAAGAGCTGCGCTTCGTCTAGCCAGG  
 AATGGGACCAGCCAGAGCGGAGCTTCGGCTGGAAGACCAGCGCAAGCTCTGGTTGGTTATCAGTATGT  
 CATTACTGGCCGAACCATTCCTTAGAAGTTCGCTGGGAAGTGGCATTCAAAGGCTCCCCAGAAGTGTTC  
 CTGCCCCAGATCCCATCTTTCCTCCGCCATGTCTGAGAATGACAACGTGTTCTGTGCCAGCTCCAAT  
 GCTTCCACTTTCCTACCCTGAGGCACCATGACCTCCACAGCTGGCACGCCGAGAGCTGCTCTGAGAAGTC  
 GTCATTTCTGTGTAAAAGAAGTCAGACATGTGTTGATATCAAAGACAATGTGGTGGATGAAGGGTCTAC  
 TTCCTCCCAAGGGAGATGACCCATGCTTGAGCTGTACCTGCCATCGAGGGGAGCCTGAGATGTGTGTTG  
 CTGCCCTGTGTGAGCGGCCCCAGGGATGCCAGCAGTACCGCAAAGACCCTAAGGAATGCTGCAAGTTCAT  
 GTGTCTGGACCCAGATGGTAGCAGCCTGTTTACTCCATGGCCAGTGGGATGCGCCTGGTCTGAGCTGC  
 GTTTCCTCCTCCTCATCCTCTCGCTGCTGCTTTTCATGGTCCACCGCTGCGCCAGCGGCCCGGGAGC  
 GCATCGAGTCCCTGATTGGAGCAAACCTGCACCATTTCAACCTTGCCCGGAGGATCCCTGGCTTTGACTA  
 TGGCCCAGATGGGTTTGGCACAGGACTCACTCCACTCCACCTTTCTGACGATGGGGAAGGTGGGACTTTC  
 CATTTCCATGACCCTCCACCTCCTTATACTGCTTACAAGTGCCAGACCTGGACCAGCCGACGATCCAC  
 CACCACCTACGAGGCTTCTATCAACCCAGACAGCGTGTCTATGACCCTGCAGATGACGATGCCTTTGA  
 GCCCGTGGAGGCCAGCCTGCCAACCCCAAGGGATGGTGGCATTGAAGGTGCCTTGCCAGGCACTTGGAT  
 CAGCCGCTGCCCCCTGCAGAGACCTCCTTAGCAGATCTGGAAGACTCGACAGACAGTACGAGTGCCTGC  
 TGGTGCCTCCTGATCCTGCCAGAGTGAAGCACTCCAGCTACAGAAGCACCTCCAGGGGCTGGGCGCT  
 TTCCTGGCTCCCTCAATACTGTGTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR202987 representing NM\_001012146  
 Red=Cloning site Green=Tags(s)

MVPKADSGAFLLFLVLTVEPLRPELRCHPGQFACHSGIIQCIPLPWQCDGWPTCEDKSDEADCPEVT  
 GEARPYGKETVDLRQGRTRGGDPHFHTVNVAQPVRFSRKCPGWHHYEGTASCYRVYLSGENYWDAAQT  
 CQRVNGSLATFSTDQELRFVLAQEWDPERSFGWKDQRKLVVGYQYVITGRNHSLEGRWEVAFKGSPEVF  
 LPPDPIFASAMSENDNVFCAQLQCFHPTLRHHDLSWHAESCSEKSSF LCKRSQTCVDIKDNVVDGEFY  
 FTPKGGDDPCLSCTCHRGEPEMCVAALCERPQGCQYRKDPKECKFMCLDPDGSSLFDSMASGMRLVWSC  
 VSSFLLILSLLLFMVHRLRQRRRERIESLIGANLHHFNLGRRIPGFYGPDPGFGLTPLHLSDDGEGGTF  
 HFHDPPPYPYAYKCPDLQPDPPPPYEASINPDSVFYDPADDDAFEPVEASLPTPRDGGIEGALPRHLD  
 QPLPPAETSLADLEDSTSSALLVPPDPAQSGSTPATEAPPAGRLSRGSLNTVV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

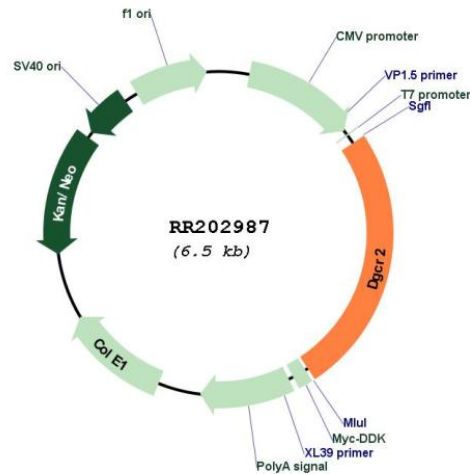
Cloning Scheme:

Cloning sites used for ORF Shuttling:



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

## Plasmid Map:



ACCN: NM\_001012146

ORF Size: 1638 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\\_001012146.1](#), [NP\\_001012146.1](#)

**RefSeq Size:** 2030 bp

**RefSeq ORF:** 1641 bp

**Locus ID:** 360742

**Cytogenetics:** 11q23

**MW:** 60.7 kDa