

## Product datasheet for **RR202911**

### **Dgcr8 (NM\_001105865) Rat Tagged ORF Clone**

#### **Product data:**

|                    |   |
|--------------------|---|
| Product Type:      | Expression Plasmids                       |
| Product Name:      | Dgcr8 (NM_001105865) Rat Tagged ORF Clone |
| Tag:               | Myc-DDK                                   |
| Symbol:            | Dgcr8                                     |
| Vector:            | pCMV6-Entry (PS100001)                    |
| E. coli Selection: | Kanamycin (25 ug/mL)                      |
| Cell Selection:    | Neomycin                                  |



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**ORF Nucleotide Sequence:**

>RR202911 representing NM\_001105865  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGACATATGAGAGTCCCTCTCCTCTCCCGCATGAGCCACAGGAGAAGCAATGATGGAGAACCGAG  
 CTTGCCCTTCCAAGTGCTGCCCATGAACAGTCTCCACCACCTCCCCTGCAAACGTCCAGTGATGCAGA  
 GGTAATGGACGTTGGCTCTGGTGGTGGTGGACAGTCCGAACCTCCTGCCGACGACCCATTCAACTCTAC  
 GGAGCTTCTCTTCTCCTCAAAGGATCCTTCTCTAAGGGCCGCTCCTCATAGACCCGAACTGTAGTGGCC  
 ACAGCCCGCGCACTGCCCGGCACGCACCTGCGGTCCGGAAGTTCTCCCCTGACCTAAGTTGCTTAAGGA  
 TGTAAAGATTAGCGTGAGCTTTACTGAGAGCTGCAGGAGTAAGGACAGGAAGGTGCTGTACACAGGAGTA  
 GAACGCAGCACTCGCCTGAATGTAGCCAGCTCCTTAGTCTGTCTGCGGGGACGTGCATGCTTGTCCCT  
 TTGGCGGGAGTGTGGTAATGGGTAGGCCCTAGGGGTGAGAGTACAGATAAGAAGGATGAGGAAAATGA  
 GCTGGATCAGGAAAAGAGAGTGGAGTATGCAGTCTCGATGAGTTAGAAGATTTTACTGACAATTTGGAG  
 CTAGATGAAGAAGAACAGGCGGGTTACAGGCTAACGCAATCGTTCAAAGAGACAGAGTGGATGAAGAGG  
 CCTTGAATTTCTCCTATGAGGATGACTTTGACAATGATGTGGATGCTTTACTAGAAGAAGGTCTCTGTGC  
 TCCAAGAAGAGGCGAATGGAGGAAAAATATGGCGGAGACAGTGCATCCGTCTGATGGAGAGACAAGT  
 GTGCAGCAATGATGACCAAGATTAACAACAGTGCCTAAAAGTCTGGCCGTCCACCTACAGAGCCATTGC  
 CTGATGGATGGATAATGACTTTTATAACTCTGGAGTCCCTGTATACCTGCACAGAGAGTCTCGAGTGGT  
 CACCTGGTCCAGACCCTACTTCTTGGGGACGGGAAGCATACGGAACATGATCCTCCTAAGCAGCATC  
 CTTGTCTGCATTATAAGAAAATGAAGGACAACGAGGAACGAGAGCAAAGTTGTGATCTTGCCCCAGTG  
 GAGAAGTGCACCTGTCAAGCCCTGGGTCTGCTGCAGAGCTGGATTTCCCTCTGGAGGAGCCTGACCT  
 CTTGGGTGGAGACTCAGGGTCTCTGGATGAGAAGGACCCCTGGGTGCTGAGGCAGCTGCTGGAGCCCTG  
 GGACAAGTGAGGGCTAAAGTTGAGGTGTCAAAGATGAGTCAGTTGATCTGGAGGAATTTGTAATTTACC  
 TGGAGAAGCGATTTGACTTTGAGCAAGTAACTGTAAAAAATTCAGGACTTGGGCTGAACGTCGTAATT  
 CAACCGTGAGATGAAGCGGAAACAGGCAGAGTCAAGAGGCCCCATCCTGCCAGCCAACAGAAAGCTGATC  
 ACTCTATCTGTGCAAGATGCACCCACAAAAAAGAGTTTGTATCAATCCCAATGGGAAGTCTGAGGTTT  
 GCATCCTGCACGAATACATGCAGCGTGTCTCAAGGTCCGCCCTGTTTATAATTTCTTTGAATGTGAGAA  
 TCCAAGTGAGCCTTTTGGTGCCTCCGTGACCATTGATGGTGTGACTTACGGATCTGGAAGTCAAGCAGC  
 AAAAACTTGCGAAGAATAAAGCTGCCGAGCTACACTGGAATTTCTATCCCTGACTTTGTTAAACAGA  
 CCTCTGAGGAGAAGCCTAAAGACAGTGAGGAAGTGGAGTATTTAACCACATCAGTATTGAGGATTCGCG  
 AGTCTACGAGCTGACAAGCAAGGCTGGGCTGTTGTCTCCATATCAGATCCTCCATGAGTGCCTAAAAGA  
 AACCATGGCATGGGTGACACATCCATCAAGTTTGAAGTGGTTCCCTGGGAAAAACCAGAAGAGCGAATATG  
 TTATGGCATGCGGCAAACACACAGTGCAGGGTGGTGTAAAGATAAACGAGTTGGGAAACAATTAGCATC  
 TCAGAAAAATCCTTCAGCTGTTGCACCCCATGTCAAGAACTGGGGTCTTGTCTGCGCATGTATGGTCGT  
 GAGAGCAGCAAAATGGTCAAGCAGGAGACCTCTGACAAGAGTGTGATAGAGCTACAACAGTATGCCAAGA  
 AGAACAGGCCAACCTTACATCCTGAGCAAGCTACAAGAAGAGATGAAGAGGCTGGCTGCAGAGCGGGA  
 GGAGACTCGGAAGAAACCAAGATGTCAATTGTAGCATCTGCCAGCCTGGTGGTGGAGCCCTTGTGCACA  
 GTGGATGTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR202911 representing NM\_001105865  
 Red=Cloning site Green=Tags(s)

METYESPSPLPHEPTGEAMMENRACPFQVLPHEQSPPPPLQTSSDAEVMVGVGGDQSEPPADDPFNFY  
 GASLLSKGSFSKGRLLIDPNCSGHSPRTARHAPAVRKFSPDLKLLKDVKISVSFTECSRKDRKVLVTGV  
 ERSTRPECSQLLSPVCGDVHACPFGGSVGNVGLGGESTDKKDEENELDQEKRVEYAVLDELEDFTDNLE  
 LDEEGTGGFTANAIVQRDRVDEEALNFSYEDDFDNDVDALLEEGLCAPKKRRMEEKYGGSDHPSDGETS  
 VQPMMTKIKTVLKSRGRPPTLEPLPDGWIMTFHNSGVVYVYLRHRESRVVWTSRPFYLTGSIRKHPPLSSI  
 PCLHYKKMKDNEEREQSCDLAPSGEVSPVKPLGRSAELDFLEEPDSLGGDSGLSDEKDPDPLGAEAAAGAL  
 GQVRAKVEVCKDESVDLEEFNRYLEKRFDFEQVTYKFKRTWAERRQFNREMKRQAESERPILPANQKLI  
 TLSVQDAPTKKEFVINPNGKSEVCILHEYMQRVLKVRPVYNFFECENPSEPFASVTIDGVTYSGTASS  
 KKLAKNKAARATLEILIPDFVKQTSEEKPKDSELEYFNHISIEDSRVYELTSKAGLLSPYQILHECLKR  
 NHGMGDTSIKFEVVPGNQKSEYVMACGKHTVRGWCKNKRVGKQLASQKILQLLHPHVKNWGSLLRMYGR  
 ESSKMVKQETSDKSVIELQQYAKKNRPNLHILSKLQEEMKRLAEREETRKKPKMSIVASAQPGGEPLCT  
 VDV

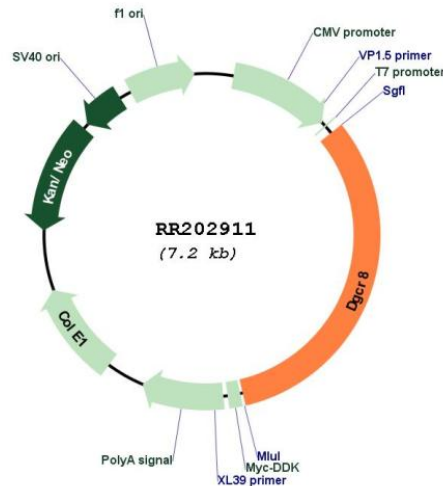
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfi-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_001105865

**ORF Size:** 2319 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\\_001105865.1](#), [NP\\_001099335.1](#)

**RefSeq Size:** 4538 bp

**RefSeq ORF:** 2322 bp

**Locus ID:** 287954

**Cytogenetics:** 11q23

MW: 86.4 kDa