

## Product datasheet for **RR216658**

### Ddb2 (NM\_001271346) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ddb2 (NM\_001271346) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ddb2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR216658 representing NM\_001271346  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTCCAAGAAATGCCAGAAACCCAGAAGTCCCCGACGTTGCGGTGCTCCTCAAGAGCAAAGCC  
GCAGAAGTCTCAGGAGCTGGAGCCCGAAGCCAAGAAGCTGTTTGTGCAGGGTCCCGTTTCTAGTAGGAA  
ATGTGAGTCGTGCTGCCCTCTGGCAGAGTTGTCCAGCTTGCGAGATCCCTCCGAGGAGCAGCAGATTGTC  
CGGGATCTTTACCAGCAGAAGTTGGGCAAAGCCACCTGGCCGTCCTACAGCAGGGTCTCCAGAAGTCCCT  
TTTTGCACTCTCTAGCTTCTTACCGGGTATTCCAAAAAGCTGCCCCCTTTGACAGGAGGACAACGTCCTT  
GGCATGGCACCCGACTCATCCCAGTACTTTGGCTGTGGGCTCAAAGGGGAGATATTATGATCTGGAAC  
TTTGGCATAAAGGACAAACCCATCTTCCTTAAAGGGATTGGAGCTGGAGGAAGCATCACTGGGCTGAAGT  
TTAATCATCTCAATACCAACCAGTTTTTTGCCTCCTCAATGGAGGGAACAACCAGGCTGCAGGATTTTAA  
AGGCAACATTCTCAGAATTTATACCAGCTCAAACCTTTGCAAGGTCTGGTTTTGCAGCCTTGATGTTTCT  
GCCAAGAGCCGAGTGGTGGTTACAGGAGACAATATGGGACACGTGATCCTGACGAACACAGATGGCAAGG  
AGCTTTGGAACCTCAGAATGCACAAAAAGAAAGTAGCCCATGTGGCCCTGAACCCCTGCTGTGATTGGCT  
TCTGGCCACAGCCTCCATAGATCAAACAGTGAAAATTTGGGACCTGCGCCAAATTAAGGGAAAGACAGC  
TTCTCTTCTCACTGCCTCACAGGCATCCTGTCAATTCAGCTTGTTTTAGCCCCGATGGAGCTCGGCTCC  
TGACTACTGACCAGAACAATGAGATTCGGGTTTACTCTGCCTCCCAGTGGGATAGCCCCCTGAGTCTGAT  
CTCCCACCCTCACCGCCATTTTCAGCACCTCACACCCATCAAGGCGACCTGGCATTACGGCACAACCTC  
ATTGTTGTGGGCCGATACCCAGATCCTAATCTTAAAGTTGTGTTCCCTATGAAC TAAGGACAATAGATG  
TGTTTGATGGAAGCTCGGGGAAGATGATGTGTCAGCTCTATGATCCAGGATATCCGGTATTACTTCGCT  
CAATGAGTTCAATCCTATGGGAGACACACTGGCTTCTACTATGGGTTATCATATTCTCATTTGGAGCCCA  
GAGGAAGATGGGTCATTGAAAGACCATGAAAGACTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216658 representing NM\_001271346  
Red=Cloning site Green=Tags(s)

MAPKKCPETQKSPDVAVLLKSKSRRSPQLEPEAKKLFVQGPVSSRKCESCLLAE LSSLQIPRSSSIV  
 RDLYQQKLGKATWPSLQQGLQKSLHSLASYRVFQKAAPFDRRTSLAWHPHPTSLAVGSKGGDIMIWN  
 FGIKDKPIFLKIGAGGSITGLKFNHLNTNQFFASSMEGTRLQDFKGNILRIYSSNSCKVWFCSLDVS  
 AKSRVVVTGDNMGHVILTNTDGKELWNLRMHKKKVAHVALNPCCDWLLATASIDQTVKIWDLRQIKGKDS  
 FLFSLPHRHPVNSACFSPDGARLLTTDQNEIRVYSASQWDSPLSLISHPHRFQHLTPIKATWHSRHNL  
 IVVGRYPDPNLKSCVPYELRTIDVFDGSSGKMMCQLYDPGYSGITSLNEFNPMGDTLASTMGYHILIWSP  
 EEDGSLKDHERL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

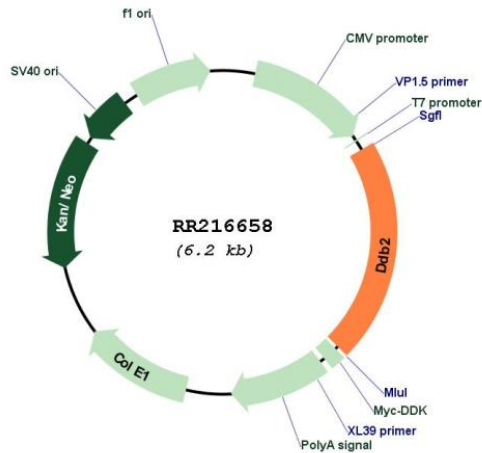
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



<b>ACCN:</b>	NM_001271346
<b>ORF Size:</b>	1296 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_001271346.1</a> , <a href="#">NP_001258275.1</a>
<b>RefSeq Size:</b>	1839 bp
<b>RefSeq ORF:</b>	1299 bp
<b>Locus ID:</b>	100362121
<b>Cytogenetics:</b>	3q24
<b>MW:</b>	48.4 kDa