

## Product datasheet for **RR201700**

### **RGD1308117 (NM\_001134571) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RGD1308117 (NM\_001134571) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** RGD1308117  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR201700 representing NM\_001134571  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGCTGAGCCGTCGCGCGTCTTTGCGGTGGAGCAACTTGGCGGCCGGGATGGGGCCTTTGAGGACCTGG  
CACAAGGCTGTGTGGTCCAGGAGTCACCTGCACCTACAGACGGATACCAGACAAAACCTCACGGGTGTTCC  
ATTGGACTTCAGGGAGGGACGGAGTGAGCTGAGAGGTCTGGAGAGACAGATGCCACTTCTGAAATTGGCT  
TCCCAGGACTCAGGCATGGAGATGGTGGTTGGGGACAGCTCCTTGCTACCTTATCAGGACTTTCTCAAG  
ATTCTCTAAACCTTGAGCCCATGGGAGCCCTGAGCTGCCTCCTGCCCACTAGACCGGCTGCTGGCCAG  
ACGAAAGCTGGAACAGGTGCTGGAGAGGTCTCGAGAGTTTCCCAGCTTGCTGGCGGCATGGCTCCCTG  
CAGCTACAGAACAAGCCTGTAGGTGGAGTGTCCATCTTTGTAGGAGAACAGGAGTCCACTGAGGCAGATA  
CTGAGCTAGAGGCTAGTCTGGAAGAAGCAAAGGAGGTGGTAGTATGGAGTCTGGAGCCTCTACCTGCCT  
CCCCGGACAGGGCTTGCTTACCTGGAACACCTGTGCCTTGTGCTGGAGCAGATGGCCAGGCTGCAGCAG  
CTGTACCTGCAGCTGCAGACCCAGAGACCCTCTAGGGATCCTGAGGAGGAAGAATTGGCTCCAGTTCTTT  
CATCATCACATATCCCTGACAATAGGGTCCAGGGGCACAGAGAGGAGCTGAGCCAGACAAAGGATCCAGG  
TGAGAGGCGAGCTTCACTCCACAGGTGGTGTGCTTGTGACAGCCCCTCCAGTCTGCCAGAGGCCTTG  
CTGGAACCAACCCACATCCTTCCACCCTCCAGGAACACAAGGATCTCTCCCACTGGGATAGGTTCAAGG  
TTCTGCTCAATCGGATCCGTTGGAGGAGCCCTCGACTTCTGAGCCTCCTGTTCCCCTGATAGTTCTGG  
ACCCAGGATGGAGTTCAGGAATCTCTGAAAGGACTCCAGGCCATCCCAACGGAAGATCTTTATTCCA  
ACATTGGTCGTTAAGAAGCCACGAGCAAAAAATCTTTCTGTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR201700 representing NM\_001134571  
Red=Cloning site Green=Tags(s)

MLSRRRVFAVEQLGGRDGA FEDLAQGCVVPVGTCTYRRIPDKTHGCSLDFREGRSELRGLERQMPLLKLA  
 SQDSGMEMVVGDSSLATLSGLSQDSL NLEPMGSP ELPAPLDRLLARRKLEQV LERSREFPSLSGRHGSL  
 QLQNKPVGGVSI FVGEQE STEADTELEASLEEAK EAVGSMESGASTCLPGQGLRYLEHLCLVLEQMARLQQ  
 LYLQLQTRPSRDPEEEELAPVLSSSHIPDNRVQGHREELSQT KDPGAEEASLPQVGVLDSPSSSLPEAL  
 LEPTHILPPSQEHKDL SHWDKVKVLLNRIRWRSPRLPEPPVPPDSSGPRMEFRNLSERTPGHSQRKIFIP  
 TLVVKKPRAKNLSV

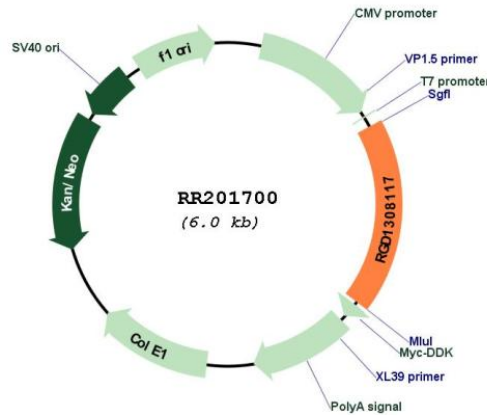
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001134571

<b>ORF Size:</b>	1092 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_001134571.2</a> , <a href="#">NP_001128043.2</a>
<b>RefSeq Size:</b>	1942 bp
<b>RefSeq ORF:</b>	1095 bp
<b>Locus ID:</b>	361066
<b>Cytogenetics:</b>	15p11
<b>MW:</b>	40.3 kDa