

## Product datasheet for **RR201865**

### RGD735065 (NM\_199379) Rat Tagged ORF Clone

#### Product data:

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                         |
| Product Name:             | RGD735065 (NM_199379) Rat Tagged ORF Clone                                  |
| Tag:                      | Myc-DDK                                                                     |
| Symbol:                   | RGD735065                                                                   |
| Synonyms:                 | MGC72991                                                                    |
| Mammalian Cell Selection: | Neomycin                                                                    |
| Vector:                   | pCMV6-Entry (PS100001)                                                      |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                        |
| ORF Nucleotide Sequence:  | >RR201865 representing NM_199379<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATCTTGCTGCTAATGAGATCAGCATCTATGACAACTTTCAGAGACTGTTGATTTGGTGAGACAGA  
CAGGCCATCAGTGTGAATGTCCGAGAAGGCGATTGAAAAGTTTATCAGACAGCTACTCGAAAAGAAATGA  
ACCTCAAAGGGGACCACCCAGTACCCTCTCCTTATAGCCATGTATAAGGTCCTCCTAACTCTGGGATTA  
ATCTTGTTCACTGCCTACTTTGTAATTCAGCCTTTTAGCTCATTAGCACCCGAGCCAGTGCTTTCTGGAG  
CTCACACCTGGCGCTCACTCATTATCATCATTGCGCTGGTGTCTTGCCATTACCAAGAAGTACATGCC  
AGAGAATAAGGGCGTTCTCTGCAAGGAAGAGAGGAAGACAAACCCTTCCAGACTTTGACCCCTGGTCA  
TCAAATAATTGTGAACAGAACGAGTCAGAGCCATTCTGCAACTGCACTGTCTGCGCCAGATTCTAC  
CCCTCAAGGTAACGCTCCGAGAAGACACTCCCAAGAACTTTGAGAGACTCCGTCCTCTGGTGATCAAGAC  
AGGACAGCCTCTGTTGTCTGCAGAGATTAGAGCTTCTCTTGTCAGTACCCTGAAGTCACAGAGGGCTTC  
ACCGAGGGCGTTCTACCAAGTGGTGGCGCTGCTTCTGAGAGGTGGTCCCGTTTCTTACCCATGGA  
GAAGACCTCTAACAGATCACAGATTTTACGGGAACCTTTCCAGTTTTTACCAACTTCCATTTCCAAA  
AGATGCCTCCTTAAACAAGTGCTTCTGATCCAACCGAACCTGTGGTGGGTAGCAAGATGCATGAGGTG  
CATGACCTGTTTACCATTGGCAGCGGGGAAGCCATGTTGCAGCTCATCCCTCCCTCCAGTGCCGAAGAC  
ACTGTCACTGTGGCCATGCCGATAGAGTCTGGGGACATTGGCTATGCTGGTGCTGCCCACTGGAAGGT  
CTACATCGTAGCCAGAGGGGTCCAGCCTTTGGTCATCTGTGATGGAACCACTCTCTCAGAACTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RR201865 representing NM\_199379  
Red=Cloning site Green=Tags(s)

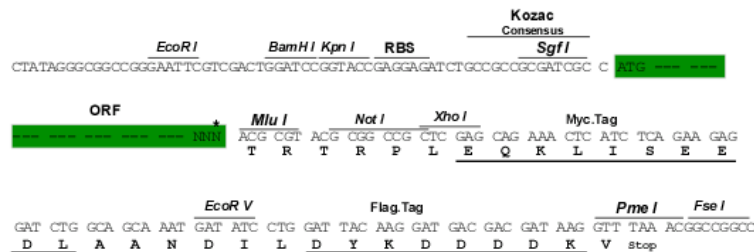
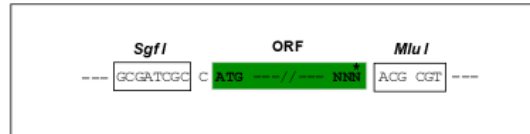
MDLAANEISIDYDKLSETVDLVRQTHQCGMSEKAIEKFIRQLLEKNEPQRGPPQYPLLIAMKVLLTLGL  
ILFTAYFVIQPFSSLAPEPVLGAHTWRSLIHHIRLVSLPITKKYMPENKGVPLQGREDKFPDFDPWS  
SNNCEQNESEPIPANCTVCAQILPLKVTLPEDTPKNFERLRPLVIKTGQPLLAEIQSFSCQYPEVTEGF  
TEGVLTKWWRCFPERWFFPYWRRPLNRSQILRELFPVFTQLPFPKDALNKCFLIQPEPVVGSKMHEV  
HDLFTIGSGEAMLQLIPPFQCRHRCQSVAMPIESGDIGYAGAAHWKVYIVARGVQPLVICDGTTLSEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_199379

**ORF Size:** 1044 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\\_199379.2](#), [NP\\_955411.1](#)

**RefSeq Size:** 1286 bp

**RefSeq ORF:** 1047 bp

**Locus ID:** 294311

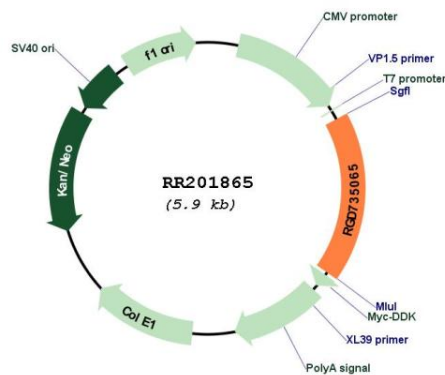
**UniProt ID:** [Q6P6G2](#)

**Cytogenetics:** 20p12

**MW:** 39.6 kDa

**Gene Summary:** Exhibits histone deacetylase (HDAC) enhancer properties. May play a role in cell cycle progression and wound repair of bronchial epithelial cells.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RR201865