

## Product datasheet for **RR201814**

### **Rap1gds1 (NM\_001107728) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rap1gds1 (NM_001107728) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rap1gds1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR201814 representing NM\_001107728  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCGAATCCCATGTGTAGATGCCGGATTGATTTACCACCTGGTACAGCTGTTAAATAGCAAAGACCAGG  
 AAGTGCTGCTTCAAACCTGGCAGGCATTAGGAAACATATGCTATGATAGCCATTCCTTCAGGCTCAGCT  
 AATCAATATGGGTGCATCCCGACCTTAGTGAAGTTACTGGGCATCCACTGCCACACGCTGCTCTGACA  
 GAGATGTGCCTCGTGGCATTGGGAACTTAGCAGAACTCGAGTCGAGTAAAGAACAGTTTCTAGCACAA  
 ACATTGCCGAAGAACTGGTAAACTATTCAAGAAACAAATAGAGCATGATAAAAGAGAAATGATTTTCGA  
 AGTTCTAGCTCCATTGGCAGAAAATGACGCCATTAACCTGCAGCTGGTTGAAGCAGGTTTGGTCGAGTGC  
 CTCCTAGAGATTGTTGAGCAGAAAGTGGACAGTACCAAAGAGGATGACCTTGCTGAGCTCAAACCTGCTT  
 CAGACCTCATGGTTTTACTTCTGGAGATGAATCCATGCAGAACTTTTTGAAGGAGGAAAAGCGAG  
 TGTGTTCAAAGGGTGTCTCTGGATTCCATCGAATAGCCAGCAGCTGCAGCTTCTGGGGCATTGGCC  
 ATTGCAAATTTGCCAGGAATGATGGGAATTGTATTCATATGGTAGACAAATGGGATTGTAGAAAACTCA  
 TGGATTTGCTGGACAGACACGTAGAAGACGGAACTGACGGTACAGCATGCAGCACTGAGCGCCCTCAG  
 GAACCTAGCCATTCCAGTTGAAATAAAGCAAAGATGTTATCAGCCGGGTACAGAGACGGTTTTGAAG  
 TTCCTTAAATCTGAAATGCCCCAGTTCAGTTCAAACTCTGGGAACGCTAAGAAATGTTAATAGATGCAC  
 AAGCAGAAGCTGCTGAGCAACTGGGAAAGAACGCTAAGTTGGTGGAGCGCTTGGTTGAGTGGTGTGAAGC  
 CAAAGATCATGCCGGTGTGATGGCGAGTCAAACAGACTGCTGTCCGCTCTCATACGACACAGTAAATCA  
 AAAGATGTAATTAACCATTGTACAGAGCGGTGGCATCAAGCATCTAGTTACCATGGCAACTAGTGAGC  
 ATGTGATAATGCAGAATGAGGCTCTCGTCGCTTGGCACTAATTGCAGCTTTGGAATGGGTCCTGCGGA  
 GAAAGATCTCGCAAGTGCTCAGCTTGTCCAGATCCTACACCGACTGCTAGCAGATGAGAGAAGTCCCGG  
 GAAATCAAGTATAACTCCATGGTTCTGATCTGTGCTCTCATGGGCTCTGAAGCACTACACAGGAAGTAC  
 AAGACTTGGCCTTCTAGATGTTGTATCCAAACTCGAAGTCATGAGAACAAAAGTGTGCCCAACAGGC  
 CTCGCTCACAGAGCAGAGACTTACAGTGCAAAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR201814 representing NM\_001107728  
 Red=Cloning site Green=Tags(s)

MRIPCVDAGLISPLVQLLNSKDQEVLLQTGRALGNICYDSHSLQAQLINMGVIPTLVKLLGIHCHNAALT  
 EMCLVAFGNLAELESSKEQFASTNIAEELVKLFKKQIEHDKREMIFEVLAPLAENDAIKLQLEAGLVEC  
 LLEIVQKQVDSTKEDDLAELKTASDLMLVLLLLGDESMQKLFEGGKGSVFRVLSWIPSNSSQQLLAGALA  
 IANFARNDNCCIHMVDNGIVEKLMDLLDRHVEDGNVTVQHAALSALRNLAIPVVKAKMLSAGVTETVLK  
 FLKSEMPVQFKLLGTLRMLIDAQAEAAEQLGNAKLVERLVEWCEAKDHAGVMGESNRLLSALIRHSKS  
 KDVIKTIIVQSGGIKHLVTMATSEHVIMQNEALVALALIAALELGAPEKDLASAQLVQILHRLADERSAP  
 EIKYNSMVLICALMGSEALHKEVQDLAFLDVVSKLRSHENKSVAAQASL TEQRLTVQS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

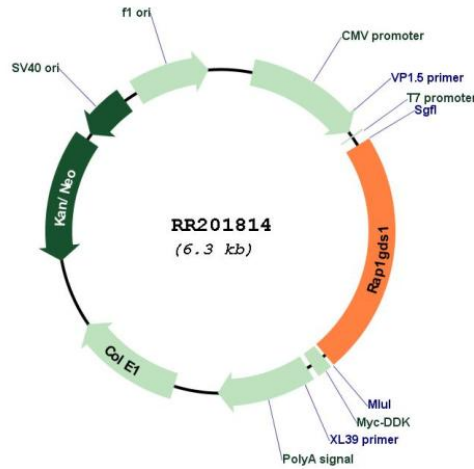
**Restriction Sites:**

Sgfl-MluI

## Cloning Scheme:



## Plasmid Map:



ACCN: NM\_001107728

ORF Size: 1434 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\\_001107728.1](#), [NP\\_001101198.1](#)

**RefSeq Size:** 3397 bp

**RefSeq ORF:** 1437 bp

**Locus ID:** 310909

**Cytogenetics:** 2q44

**MW:** 52.2 kDa