

## Product datasheet for **RR202999**

### **Rsrc2 (NM\_001014128) Rat Tagged ORF Clone**

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Rsrc2 (NM\_001014128) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Rsrc2  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >RR202999 representing NM\_001014128  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATAAGAACCAACTTCTTGTTAAAACAGGCAAGAAGACATGAATCCAAGATAAGTCCTCTAAGAGAC  
 ACAAGTCTGAGGAGCACAATGACAAAGAACATTCTTGACAAAGGAAGAGCGATTAATTCATCTGA  
 GAATGGTGAGGACAGACATAAACGCAAAGAAAGGAAGTCGTCACGGGGCAGAAGTCACTCGAGGTCTAGA  
 TCTCGTGAGAGGGCCCATCGCAGTAGAAGCAGGAAAGGAAGAAGTCTCGGTCAAGGAGTAGGGATCGGA  
 AAAAAATCTCGATCCAGAAGCAGAGACAGGAAGAAGTCAAGATCCAGAAGCAGGGATAGAAAACGGAGGAT  
 CAGAACACGTTCCCGGTCAAGATCCAGACACAGGCATAGGACTAGAAGCAGGAGCAGATCACGGAGTCGA  
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 GCTGCAGCCACTGGAGGTTCTGTTCTTAATGTTGCTGCACTCTTGGCATCGGGAACGCAAGTTACTCCTC  
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 CAGCTACTATAACCCAGCAGCTGTGAATCCCATGAAATTTGCTGAGCAAGAGAAAAAGAGAAAAATGCTC  
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 TGATGAAGAAAGTTACAAGACTTTGAAACAACAAGAAGATTTTTCGAAATCTTGATGCTCAGTATGAA  
 ATGGCAAGATCACAGACCCACACACAGCGAGGGATGGGTTTGGGTTTCACATCTTCAATGCGTGGAATGG  
 ATACAGTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



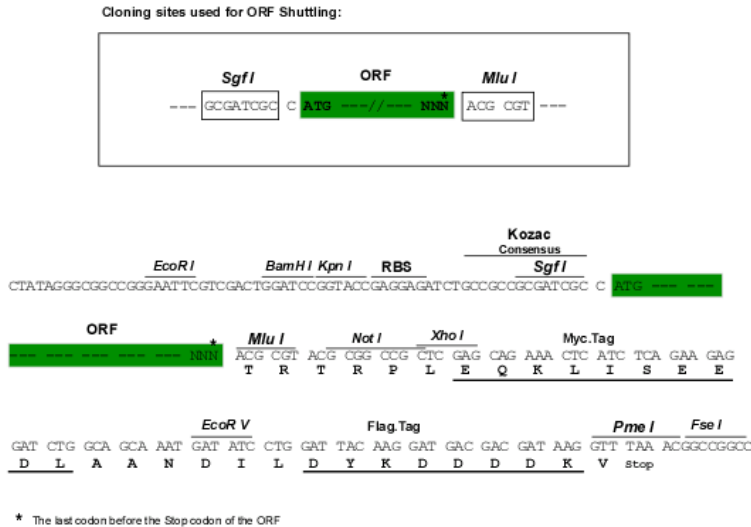
**Protein Sequence:** >RR202999 representing NM\_001014128  
Red=Cloning site Green=Tags(s)

MIRTNFLLKQARRHESKDKSSKRHKSEEHNDKEHSSDKGRERLNSENEDRHKRKRKSSRGRSHSRSR  
 SRERRHRSRSRERKKSRSRSRDRKKSRSRSRDRKKSRSRSRDRKRRIRTRSRSRSRHRHRTSRSRSRSR  
 SRDRKKRIEKPRRF SRSLSRTPSPPPFRGRNTAMDAQEALARRLERAKKLQEQRKEMVEKQKQEMAAA  
 AAATGGSVLNVAALLASGTQVTPQIAMAAQMAALQAKALAETGIAVPSYYPAAVNPMPKFAEQEKRRKML  
 WQGKKEGDKSQSAEIWEKLNFGNKDQNVKFRKLMGIKSEDEAGCSSVDEESYKTLKQQEEVFRNLDAQYE  
 MARSQHTHTQRGMGLGFTSSMRGMDTV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001014128

**ORF Size:** 1128 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\\_001014128.1](#), [NP\\_001014150.1](#)

**RefSeq Size:** 2095 bp

**RefSeq ORF:** 1131 bp

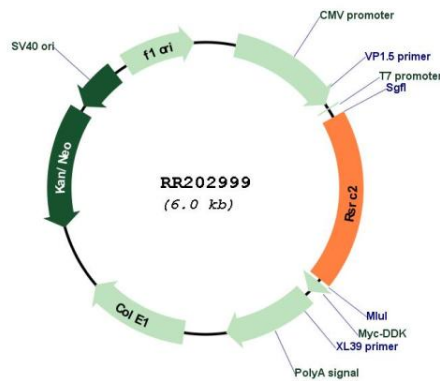
**Locus ID:** 360807

**UniProt ID:** [Q5PQR4](#)

**Cytogenetics:** 12q16

**MW:** 43.9 kDa

**Product images:**



Circular map for RR202999