

## Product datasheet for **RR204901**

### Zrsr1 (NM\_001017504) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Zrsr1 (NM\_001017504) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Zrsr1  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >RR204901 representing NM\_001017504  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCATCACAGCAGACCGCTTCTGAGAACTCAGCAGAAAACAATACAAGGCTGCAATGAAGAAGG  
 AGAAACGCAAGAAACGTCGGCAGAAAATGGCTCGCTTGAGAGCTCTGGAAGCCCCACCAGAGGTGGAGGA  
 GGAGGATGTTTCTGCCAATGAAGAACTTGACAGAGAGATTACTGGAGATAGAGAGGCCAAAAATTACATGAA  
 GAGTGGCTGCTGAGGGAGGAGAAGGCACAAGAAGAATTCAGAATAAAGAAGAAAAAGGAGGAGGCTGCTA  
 GAAAACAGAAGGAAGAACAGGAGAGACAAATAAAGGCTGAATGGGAAGAACAACAGAAAAACAGAGAGA  
 GGAGGAGGAGCAGAAGCTACAGGAGAAGAAAGAGAGAGAGGAAGCGGTGCAGAAAATGCTGGACCCAGGCT  
 GAAAATGAAGGCACTTGGCAGAACCAGAACCCAAAGATTTAAGGCTGGAGAAAATATCGACCCAGTT  
 GTCCCTTCTACAATAAGACGGGAGCCTGCAGATTTGGTAACAGGTGTTACGGAAGCATGACTTTCCAC  
 GTCAAGTCCCACACTTCTGTGAAGAGTATGTTTACGACGTTTGGAAATGGAGCAGTGCAGAAGGGATGAC  
 TACGACTCTGACGCAAACCTGGAGTACAGTGGAGGAGACCTACCAGCAGTTTTTGGATTTCTACCAG  
 ACGTGCTGCCCGAGTTCAAGAACGTGGGAAAGGTGATTCAGTTCAAAGTAAGCTGCAATCTGGAACCTCA  
 TTTGCGGGCAATGTGTATGTTTCAAGTACAGTCCGGAAGAGGAATGCCAAGCAGCCCTCTCTCTTTAAT  
 GGAAGATGGTACGCAGGACGACAGCTGCAGTGTGAATTCGTCCAGTGACCCGGTGAAGGTTGCGATTT  
 GCGGTTTGTTCGAAATGCAAAAGTGTCCGAAAGGAAAGCACTGCAACTTCTCCATGTGTTTCAGAAACCC  
 CAACAACGAGTTCAGAGACGCGAACAGGGACATCTACCTGCCTCCGGCGAGCACTGGCTCCTCTGGTAAA  
 AACTCAGACCGGGGGGACAGGAAGGATCACCGAGAGGAAAGCTACAGCAAGTCAAGAAGCCACCCTCTG  
 GCTCATACCACTCCTCAAGAGAAGCAGGGAGTCCGAGAGGAAGAGTCCACAGGTGGAAGAAATCTCA  
 CAAACAGGCCACGAAGAGTATGAGCGGCACAGCTCAAGAAGAGGAAGAGAAGAGGGCAGCAGTCCAGGT  
 CCGCAAAGCCAGAGCCACAGAACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



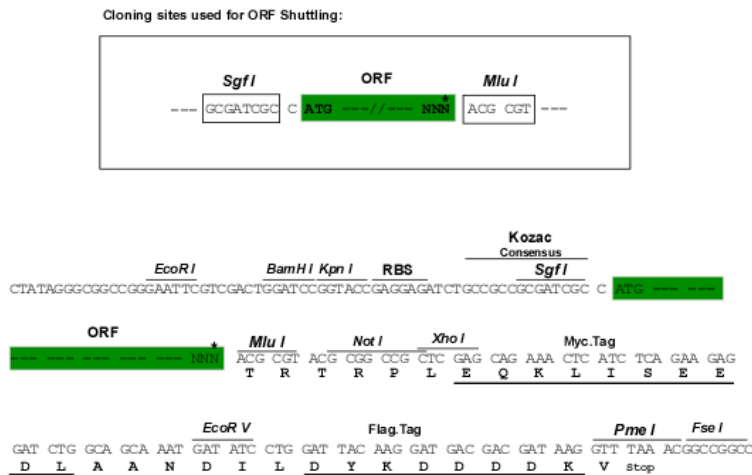
**Protein Sequence:** >RR204901 representing NM\_001017504  
Red=Cloning site Green=Tags(s)

MASQQTAFPEKLSRKQYKAAMKKEKRKKRRQKMARLRALEAPPEVEEEDVSANEELAERLLEIERQKLHE  
 EWLLREEKAQEEFRIKKKKEEAARKQKEEQERQIKAWEWEEQKKQREEEQKLQEKKEREAVQKMLDQA  
 ENEGTWQNPEPPKDLRLEKYRSPCFYNKTGACRFGNRCSRKHDFPTSSPTLLVKSMFTTFGMEQCRDD  
 YSDANLEYSEETYYQFLDFYHDVLPFKNVGKVIQFKVSCNLEPHLRGNVYVQYQSEEECQAALSLFN  
 GRWYAGRQLQCEFCPVTRWKVAICGLFEMQKCPKGKHCNFLHVFRPNNEFRDANRDIYLPASTGSSGK  
 NSDRGDRKDHREESYSKRSRSHSGSYHSSKRSRESERKSPHRWKKSHKQATKSHERHSSRRGREGSSPG  
 PQSQSHRT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



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

**ACCN:** NM\_001017504

**ORF Size:** 1284 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\\_001017504.1](#), [NP\\_001017504.1](#)

**RefSeq Size:** 1755 bp

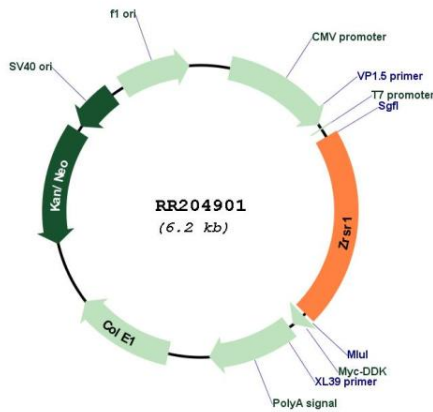
**RefSeq ORF:** 1287 bp

**Locus ID:** 498425

**Cytogenetics:** 14q22

**MW:** 50.8 kDa

**Product images:**



Circular map for RR204901