

## Product datasheet for RR211595

### Rara (NM\_031528) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Rara (NM\_031528) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Rara  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR211595 representing NM\_031528  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTACGAAAGTGTAGAAGTCGGGGGGCTTGCSSCCGCCCTAACCCCTTCTAGTGGTGGACTTTTATA  
ACCAGAACCGGGCTGTTTGTCCAGGAGAAGGGGCTCCCTGCCCGGGTCCCTACTCCACCCACTCCG  
GACTCCGCTTTGGAAATGGCTCAAACCACTCCATCGAGACCAGCAGCAGTTGGAAGAGATAGTGCC  
AGCCCTCCCTCACCACCACCCCTGCCTCGAATCTACAAGCCTTGCTTTGTTTGCAAGACAAGTCATCCG  
GCTACCACTATGGGGTTAGCGCCTGTGAGGGCTGTAAGGGCTTCTCCGACGCAGTATCCAAAAGAAT  
GGTGTATACGTGTACCGGGACAAGAATGCATCATCAACAAGGTGACCCGGAACCGCTGCCAGTACTGC  
CGGCTGCAGAAATGCTTCGAAGTGGGATGTCCAAGGAGTCGGTGCGAAACGACCGAAACAAAAGAAGA  
AAGAAACACCCAAGCCGAGTGCTCAGAGAGCTACACGCTGACACCGGAGGTGGGGAACTCATCGAGAA  
GGTGCGCAAAGCACACCAGGAGACCTTCCCGCCCTCTGCCAGCTGGGCAAGTACACTACGAACAACAGC  
TCAGAACAACGTGTCTCTGGACATTGACCTCTGGGACAAGTTCAGTGAACCTCCACCAAGTGTATCA  
TTAAGACTGTGGAGTTCGCCAAGCAGCTTCCCGCTTCCACCCTCACCATTGCCGACCAGATTACCT  
TCTCAAGGCTGCCTGCCTGGACATCCTGATTCTGCGAATCTGCACGCGGTACACACTGAGCAAGACACA  
ATGACCTTCTCAGATGGACTGACCTGAACCGACTCAGATGCACAACGCTGGCTTTGGCCCCCTACCG  
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TGCCATCTGCCTCATCTGTGGAGACCGACAGGACTGGAGCAGCCAGACAAGGTGGACATGCTGCAGGAG  
CCGCTGTTGGAAGCACTGAAAGTCTATGTCGGAAACGGAGGCCAGCCGACCCACATGTTCCCAAGA  
TGCTGATGAAGATCACGGACCTTCGGAGTATCAGCGCAAGGGAGCTGAACGGGTGATCATTGAAGAT  
GGAGATCCCTGGTTCCATGCCACCACTTATCCAGGAAATGTTGGAGAATCTGAGGGCTTGACACTCTA  
AGCGGACAGTCGGGGGGCGGAACAGAGATGGGGTGGCTGGCCCTCCTCCGGGTAGCTGTAGCCCCA  
GCCTCAGTCCCAGCTCCCACAGAAGCAGCCAGCCACTCAATCCCCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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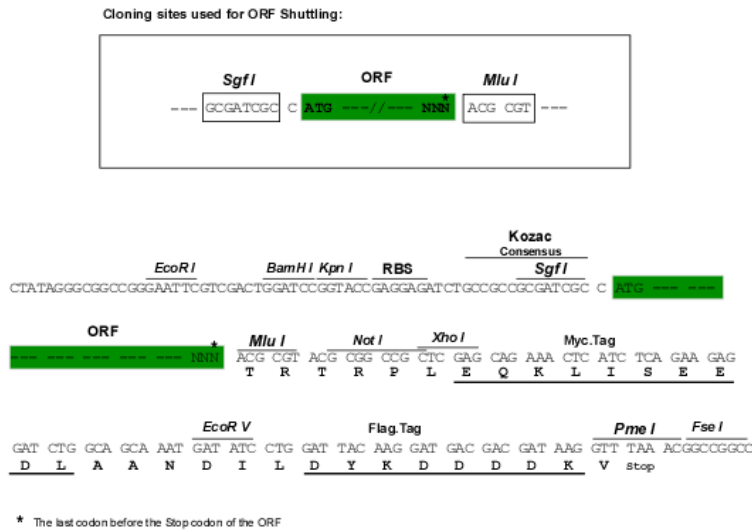
Protein Sequence: >RR211595 representing NM\_031528  
 Red=Cloning site Green=Tags(s)

MYESVEVGLAPAPNPFLVVDVFNQNRACLLQEKGLPAPGPYSTPLRTPPLWNGSNHSIETQSSSSEEIVP  
 SPPSPPLPRIYKPCFVCQDKSSGYHYGVSAPEGCKGFRRSIQKNMVTCHRDKNCIINKVTRNRCQYC  
 RLQKCFEVMGMSKESVRNDRNKKKKEPKPECSSESYTLPEVGELIEKVRKAHQETFPALCQLGKYTTNNS  
 SEQRVSLDIDLWDFSELSTKCIKKTVEFAKQLPGFTTLTIADQITLLKAAACLDILILRICTRYTPEQDT  
 MTFSDGLTLNRTQMHNAGFGPLTDLVFAFANQLLPLEMDDAETGLLSAICLICGDRDLEQDPKVDMLQE  
 PLLEALKVYVRKRRSRPHMFPKMLMKITDLRSISAKGAERVITLKMEIPGSMPLIQEMLENSEGLDTL  
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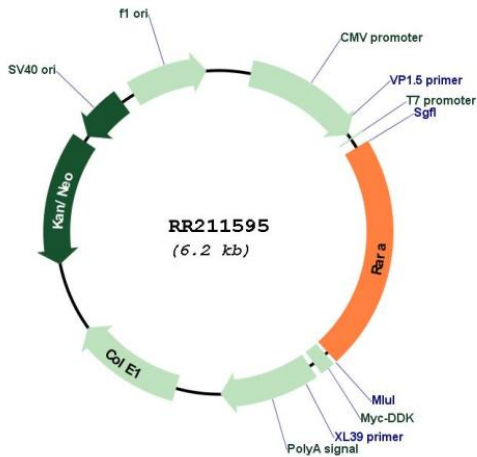
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



<b>ACCN:</b>	NM_031528
<b>ORF Size:</b>	1377 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
<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_031528.2</a> , <a href="#">NP_113716.2</a>
<b>RefSeq Size:</b>	2138 bp
<b>RefSeq ORF:</b>	1380 bp
<b>Locus ID:</b>	24705
<b>Cytogenetics:</b>	10q31
<b>MW:</b>	50.9 kDa
<b>Gene Summary:</b>	mediates all-trans-retinoic acid induction of mitogen-activated protein kinase phosphatase 1 (MKP-1); contributes to regulation of oxidative stress-induced anti-apoptosis [RGD, Feb 2006]