

Product datasheet for **RN211595**

Rara (NM_031528) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rara (NM_031528) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rara
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN211595 representing NM_031528
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTACGAAAGTGTAGAAGTCGGGGGCTTGCCTCCGCCCTAACCCCTCCTAGTGGTGGACTTTTATA
 ACCAGAACCAGGGCTGTTTGTCCAGGAGAAGGGGCTCCCTGCCCGGGTCCCTACTCCACCCACTCCG
 GACTCCGCTTTGGAATGGCTCAAACCACTCCATCGAGACCCAGAGCAGCAGTTCGGAAGAGATAGTGCC
 AGCCCTCCCTCACCACCACCCCTGCCTCGAATCTACAAGCCTTGTCTTGTGTTGTCAAGACAAGTCATCCG
 GCTACCACTATGGGGTTAGCGCTGTGAGGGCTGTAAGGGCTTCTCCGACGCAGTATCCAAAAGAACAT
 GGTGTATACGTGTACCCGGGACAAGAAGTGCATCATCAACAAGGTGACCCGGAACCGCTGCCAGTACTGC
 CGGCTGCAGAAATGCTTGAAGTGGCATGTCCAAGGAGTCGGTGCAGAACGACCGAAACAAAAAGAAGA
 AAGAAACACCCAGCCGAGTGTCTCAGAGAGCTACACGCTGACACCGAGGTGGGGAACTCATCGAGAA
 GGTGCGCAAAGCACACCAGGAGACTTCCCGGCCCTCTGCCAGCTGGGCAAGTACTACGAACAACAGC
 TCAAGAACAACGTGTCTCTGGACATTGACCTCTGGGACAAGTTCAGTGAAGTCTCCACCAAGTGTATCA
 TTAAGACTGTGGAGTTCGCCAAGCAGCTTCCCGGCTTACCACCCCTACCATTGCCGACCAGATTACCCCT
 TCTCAAGGCTGCCTGCCTGGACATCCTGATTCTGCGAATCTGCACGCGGTACACACTGAGCAAGACACA
 ATGACCTTCTCAGATGGACTGACCCTGAACCGACTCAGATGCACAACGCTGGCTTTGGCCCCCTCACCG
 ACTTGGTCTTTGCCTTCGCCAACAGCTGCTGCCCTGGAGATGGACGATGCTGAGACCGGACTGCTCAG
 TGCCATCGCCTCATCTGTGGAGACCGACAGGACTGGAGCAGCCAGACAAGGTGGACATGCTGCAGGAG
 CCGCTGTTGGAAGCACTGAAAGTCTATGTCCGAAACGGAGGCCAGCCAGCCACATGTTCCCAAGA
 TGCTGATGAAGATCACGGACCTTCGGAGTATCAGCGCAAGGGAGCTGAACGGGTGATCACATTGAAGT
 GGAGATCCCTGGTCCATGCCACCACTTATCCAGGAAATGTTGGAGAAGTCTGAGGGCTTGGACTCTA
 AGCGGACAGTCGGGGGGCGGAACACGAGATGGGGTGGCTGGCCCTCTCCGGGTAGCTGTAGCCCCA
 GCCTCAGTCCCAGCTCCACAGAAGCAGCCAGCCACTCAATCCCCA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_031528

Insert Size: 1380 bp

OTI Disclaimer: 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 custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_031528.2](#), [NP_113716.2](#)

RefSeq Size: 2138 bp

RefSeq ORF: 1380 bp

Locus ID: 24705

Cytogenetics: 10q31

Gene Summary: 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]