

## Product datasheet for **RR216696**

### Rarb (NM\_031529) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rarb (NM\_031529) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Rarb  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR216696 representing NM\_031529  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTTTGACTGTATGGATGTTCTGTCTGTCAGTGGTCCCGGGCAGATCCTGGATTTCTACACCGCGAGCCCGT  
CCTCCTGCATGCTGCAGGAGAAGGCTCTCAAAGCCTGCCTCAGTGGATTCACCCAGGCGCAATGGCAGCA  
CCGGCATACTGCTCAATCCATCGAGACACAGAGTACCAGCTCTGAGGAGCTCGTCCCGAGCCCCCATCT  
CCACTTCCGCGCCTCGGGTGTACAAGCCTGCTTCGCTGCCAGGACAAGTCATCGGGCTACCACTATG  
GGTCACTGCTGCGAGGGCTGCAAGGGCTTTTTCCGACGAAGCATTGAGAAGAACATGATCTACACTTG  
CCACCGGGATAAGAAGTGCCTTATTAACAAGGTCACTAGGAATCGATGCCAGTACTGCCGCTGCAGAAG  
TGCTTTGAAGTGGCATGTCCAAGAGTCTGTCAGGAATGACAGGAACAAGAAAAAGAGGAGCCTTCAA  
AGCAGGAGTGCACAGAGAGCTATGAGATGACAGCGGAGCTGGATGACCTCACCGAGAAGATCCGGAAGC  
CCACCGAAACCTTTCCCTCACTCTGCCAGTGGGTAATACACCACGAATCCAGTGTGACCACCGG  
GTCCGATTGGACCTGGGCTCTGGGACAAATTCAGTGTGAGCTGGCCACCAAGTGCATTATTAAGATCGTGG  
AGTTCGCCAAGCGTCTGCCGGGCTTACGGGCTGACCATCGCAGACCAGATCACCTGTCTAAGGCCGC  
CTGCTTGGACATCCTGATTCTCAGAATTTGTACCAGGTATACCCAGAGCAAGACACCATGACTTTCTCT  
GATGGCCTTACCCTAAATCGAACTCAGATGCACAATGCTGGCTTCGGTCTCTGACTGACCTTGTGTTCA  
CCTTTGCCAACAGCTCCTGCCTTTGAAATGGATGACACAGAAACAGGTCTTCTCAGTGCCATCTGCTT  
AATCTGTGGAGACCGCCAGGACCTTGAGGAACCAAAAAGTAGACAAGCTCCAAGAGCCGCTGTGGAA  
GCACTAAAGATTTACATTAGAAAACGACGGCCAGCAAGCCCCACATGTTTCAAAGATCTTAATGAAA  
TCACGGATCTCCGAGCATCAGCGCCAAAGGTGCAGAAGTGTAAATACCTTGAAATGGAATTCCTGG  
ATCGATGCCACCTCTCATTGAGAAATGCTGGAGAATTTGAAGGACATGAACCTTGACCCCAATTCC  
AGTGGGAATACAGCAGACAGTCCCAGCGTGTCCCCAGCTCAGTGGAGACCAGTGGAGTGAGCCAGT  
CCCCGCTGCTGCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR216696 representing NM\_031529  
 Red=Cloning site Green=Tags(s)

MFDCMDVLSVSPGQILD FYTASPSSCMLQE KALKACL SGFTQAEWQHRHTA QSIETQSTSSEELVPSPPS  
 PLPPPRVYKPCFVCQDKSSGYHYGVSACEGCKGFFRRSIQKNMIYCHRDKNCVINKVTRNRCQYCR LQK  
 CFEVGM SKESVRNDRNKKKKEPSKQECTESYEMTAELDDLTEKIRKAHQETFP SLCQLGKYTTNSSADHR  
 VRLDLGLWDFSELATKCI IKIV EFAKRLPGFTGLTIADQITLLKAA CLDILILRICTRYTPEQDTMTFS  
 DGLTLNRTQMHNAGFGPLTDLVFTFANQLLPLEMDDTETGLLSAICLCGDRQDLE EPTKV DKLQEPLLE  
 ALKIYIRKRRPSKPHMFPKILMKITDLRSISAKGAERVITLKMEIPGSM PPLIQEMLENSGHEPLTPNS  
 SGN TAEHSPSVSPSSVETSGV SQSPLLQ

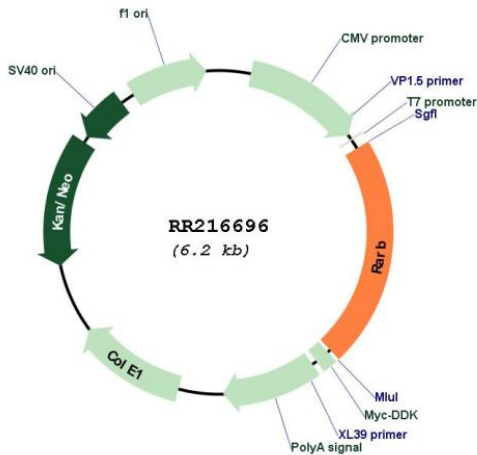
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



<b>ACCN:</b>	NM_031529
<b>ORF Size:</b>	1344 bp
<b>OTI Disclaimer:</b>	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>
<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_031529.1</a> , <a href="#">NP_113717.1</a>
<b>RefSeq Size:</b>	3092 bp
<b>RefSeq ORF:</b>	1347 bp
<b>Locus ID:</b>	24706
<b>Cytogenetics:</b>	15p16
<b>MW:</b>	50.3 kDa
<b>Gene Summary:</b>	beta form of the retinoic acid receptor [RGD, Feb 2006]