

Product datasheet for **RR214515**

Rxrb (NM_206849) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rxrb (NM_206849) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rxrb
Synonyms:	RXR-beta
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR214515 representing NM_206849
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTTGGGCCACTCGTCCGCCCTTCTCCGCCCGCGCATGCCGCGGGCAGTGTGGCCGGTGGGG
 TGAGAAAAGAGATGCATTGTGGGTTCGCGTCCCGTGGCGGCGGGCGGCCCTGGCTGGATCCCGCGC
 GGCGCGGCCGGAGAGCAGCAAACCTGGAGCCGGAGCCGGGGAGGCTGGCCGGACGGGATGGCGAC
 AGCGGGCGGGATTCCCGAAGCCAGACAGCTCCTCCCAAATCCCTTTCCAGGGGATCCCTCCCTCT
 CTCCTCCCGTCCACCTCACACCCTTCAGCACCTCCACCTCCAATGCCACCCCTCCACTGGGCTCCCC
 CTTCCAGTCATCAGTTCTTCCATGGGGTCTCCTGGCTTGCCCCCTCCGGCTCCCCAGGATTCTCCGG
 CCTGTCAGCAGCCCTCAGATTAACCTCACAGTGTCTGCTCCCTGGGGTGGGTCTGGCCCCCTGAAGATG
 TGAAGCCACCAGTCTTAGGGTCCGGGGCTGCACTGTCCACCCCTCCAGGTGGCCCTGGGGCTGGCAA
 ACGACTTTGTGCAATCTCGGGGACCGAAGCTCAGGCAAGCACTATGGGGTTTACAGCTGCGAGGGCTGC
 AAGGGTTTCTTCAAGCGCACCTTCGGAAGGACCTGACCTACTCATGCCGAGATAACAAAGACTGCACAG
 TGGACAAGCGCCAGCGGAATCGCTGTCACTGTCTGATATCAGAAGTGCTGGCCACCGGCATGAAAAG
 GGAGGCGGTACAGGAGGAGCACAACGGGGGAAGGACAAAGACGGGGATGGGGATGGGGCTGGGGAGCC
 CCCGAGGAGATGCCGGTGGACAGGATCTGGAGGCAGAGCTTGTGTGGAACAGAAGAGCGACCAAGGCG
 TTGAGGGCCCTGGGGCACCGGGGGAGTGGCAGCAGCCCAATGACCCAGTGACTAACATCTGCCAGGC
 GGCTGACAAGCAGCTGTTCACTCGTGGAGTGGGCAAGAGGATCCCGCACTTTTCTCCCTACCTCTG
 GACGACCAGTCACTACTGCTCGGGCAGGCTGGAATGAGCTCCTCATTGCGTCTTCTCCCATCGGTCCA
 TCGATGTCGAGATGGCATCCTCTGGCCAGGGTCTTCATGTGCACAGAACTCAGCCATTCTGCAGG
 CGTGGGAGCCATCTTTGATCGGGTGTGACAGAGCTAGTGTCCAAAATGGGTGACATGAGGATGGACAAG
 ACGGAGCTTGGCTGCCTGCGGGCAATCATACTGTTTAACCCAGACGCAAGGGCCTCTCCAACTGGAG
 AGGTGGAGATCCTTCGGGAGAAGGTGTATGCCTACTGGAGACCTACTGCAAGCAGAAGTATCCTGAGCA
 GCAGGGCCGGTTTCCAAGCTGCTACTACGTCTTCTGCCCTGCGCTCCATCGGCCTCAAGTGTCTGGAG
 CACCTGTTCTTCAAGCTCATTGGCGACACCCCATGACACCTTCTCATGGAGATGCTTGAGGCTC
 CCCACCAGCTAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214515 representing NM_206849
 Red=Cloning site Green=Tags(s)

MSWATRPPFLPPRHAAGQCGPVGVRKEMHCGVASRWRRRRPWLDPAAAAAGEQQTLEPEPGEAGRDGMGD
 SGRDSRSPDSSPNLSQGIPPSSPPGPPHTPSAPPPMPPPLGSPFPVSSSMGSPGLPPPAPPGFSG
 PVSSPQINSTVSLPGGGSGPPEDVKPPVLGVRGLHCPPPPGGPGAGKRLCAICGDRSSGKHYGVYSCG
 KGGFFKRTIRKDLTYSRDNKDCVDRQRNRCQYCRYQKCLATGMKREAVQEERQRGKDKDGDGAGGA
 PEEMPVDRILEAELAVEQKSDQVVEGPGGTGGSGSSPNDPVTNICQAADKQLFTLVEWAKRIPHFSSLPL
 DDQVILLRAGWNELLIASFSHRSIDVRDGIILLATGLHVHRNSAHSAGVGAIFDRVLTTEL VSKMRDMRMDK
 TELGCLRAIILFNPDAKGLSNPGEVEILREKVYASLETYCKQKYPEQQGRFAKLLLRPALRSIGLKCLE
 HLFFFKLIIGDTPIDTFLMEMLEAPHQLA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

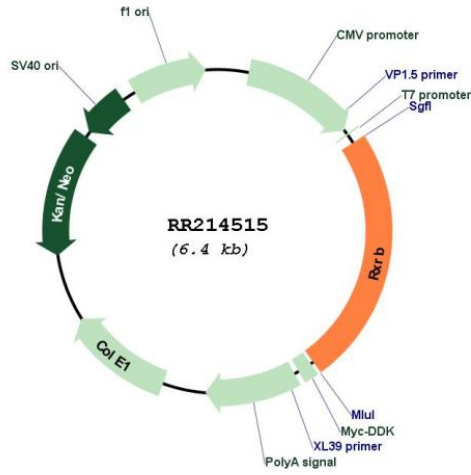
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_206849
ORF Size:	1554 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:	<ol style="list-style-type: none">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_206849.3 , NP_996731.2
RefSeq Size:	2481 bp
RefSeq ORF:	1557 bp
Locus ID:	361801
Cytogenetics:	20p12
MW:	55.7 kDa
Gene Summary:	forms a dimer with the retinoic acid receptor and other nuclear receptors; enhances retinoic acid receptor, thyroid hormone receptor, and vitamin D receptor transcriptional regulation activities [RGD, Feb 2006]