

Product datasheet for **MR230371**

Rxrb (NM_001205214) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rxrb (NM_001205214) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rxrb
Synonyms:	AL023085; H-2RIIBP; Nr2b2; RCoR-1; Rub
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR230371 representing NM_001205214
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTTGGGCCACTCGTCCGCCCTTCTCCGCCCGCGCATGCCGCGGGCAGTGTGGCCGGTGGGG
 TGAGAAAAGAGATGCATTGTGGGTTCGCTCCCGTGGCGGCGCGGCCCTGGCTGGATCCCGCGG
 GGCGGCGCGCGGCCGGAGAGCAGCAAGCCCTGGAGCCGGAGCCGGGGAGGCTGGCCGGACGGGATG
 GCGACAGCGGGCGGATTCCCGAAGCCAGACAGCTCCTCCCAATCCCTTTCTCAGGGGATCCGTC
 CGTCTTCTCCTCGGCCACCTTTACCCCTTACGACCTCCACCTCCAATGCCACCCCGCCACTGGG
 CTCCCTTCCCAGTATCAGTTCTTCCATGGGTCCCCTGGTCTGCCCTCCGGCTCCCCAGGATTC
 TCCGGCCTGTCAGCAGCCCTCAGATCACTCCACAGTGTGCTCCCTGGGGTGGTCTGGCCCCCTG
 AAGATGTGAAGCCACCGTCTTAGGGTCCGGGCTGCACTGTCCACCCCTCCAGGTGGTCTGGGGC
 TGGCAAACGGCTCTGTGAATCTCGGGGACCGAAGCTCAGGCAAGCACTATGGGGTTTACAGCTGCGAG
 GGCTGCAAGGGTTTCTTCAAGCGCACCATTCGGAAGACCTGACCTACTCGTGTGCTGATAACAAAGACT
 GTACAGTGGACAAGCGCCAGCGGAATCGTGTGCTGCTATCAGAAGTGCCTGGCCACTGGCAT
 GAAAAGGGAGGCGGTTCCAGGAGGAGCGTCAACGGGGAAGGACAAAGACGGGATGGAGATGGGGCTGG
 GGAGCCCTGAGGAGATGCTGTGGACAGGATCCTGGAGGAGAGCTTGTGTGGAGCAGAAGAGTGACC
 AAGGCGTTGAGGGTCTGGGGCCACCGGGGTGGTGGCAGCAGCCAAATGACCCAGTGACTAACATCTG
 CCAGGCAGCTGACAAACAGCTGTTCACACTCGTTGAGTGGGCAAGAGGATCCCGCACTTCTCCTCCCTA
 CCTCTGGACGATCAGGTCACTGCTCGGGCAGGCTGGAACGAGCTCCTATTGCGTCTTCTCCCATC
 GTCCATTGATGCCGAGATGGCATCCTCTGCCACGGGTCTTCAATGTGCACAGAACTACGCCAATC
 CGCAGGCGTGGGAGCATCTTTGATCGTCCCTCTCCAGGGTGTGACAGAGCTAGTGTCCAAAATGCGT
 GACATGAGGATGGACAAGACAGAGCTTGGCTGCCTGCGGCAATCATACTGTTTAAATCCAGACGCCAAGG
 GCCTCTCAACCCCTGGAGAGGTGGAGATCCTTCGGGAGAAGGTGTACGCCTCACTGGAGACCTATTGCAA
 GCAGAAGTACCCTGAGCAGCAGGCGGTTTGCCAAGCTGCTGTTACGTCTTCTGCCCTCCGCTCCATC
 GGCCTCAAGTGTCTGGAGCAGCTGTTCTTCAAGCTCATTGGCAGACCCCATTTGACACCTTCTCA
 TGGAGATGCTTGGGCTCCACCAGCTAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230371 representing NM_001205214
 Red=Cloning site Green=Tags(s)

MSWATRPPFLPPRHAAGQCGPVGVRKEMHCGVASRWRRRRPWLDPAAAAAAAGEQQALEPEPEAGRDM
 GDSGRDSRSPDSSPNLSQIRPSSPPGPPPTPSAPPPMPPPLGSPFPVISSSMGSPGLPPPAPPGF
 SGPVSSPQINSTVSLPGGGSGPPEDVKPPVLGVRGLHCPGGPGAGKRLCAICGDRSSGKHYGVYSCE
 GCKGFFKRTIRKDLTYSCRDNKDCVTKRQNRNRCQYCRYQKCLATGMKREAVQEERQRGKDKDGDGAG
 GAPEEMPVDRILEAEELAVEQKSDQVEGPGATGGGSSPNDPVTNICQAADKQLFTLVEWAKRIPHFSSL
 PLDDQVILLRAGWNELLIASFSHRSIDVRDGILLATGLHVHRNSAHSAGVGAI FDRSLSRVLTTEL VSKMR
 DMRMDKTELGCLRAIILFNPDAGLSNPGEVEILREKVYASLETYCKQKYPEQQGRFAKLLLRPALRSI
 GLKCLEHLFFFKLIGDTPIDTFLMEMLEAPHQLA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

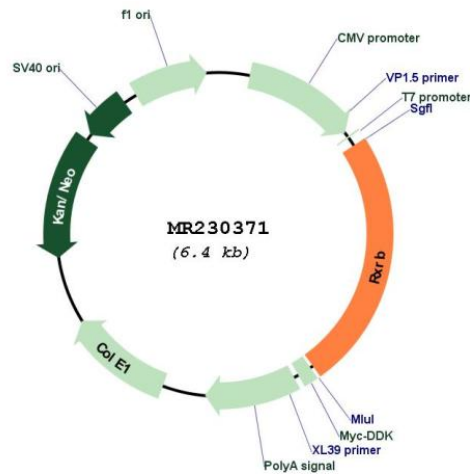
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001205214
ORF Size:	1572 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_001205214.1 , NP_001192143.1
RefSeq Size:	2633 bp
RefSeq ORF:	1575 bp
Locus ID:	20182
Cytogenetics:	17 17.98 cM
MW:	56.8 kDa
Gene Summary:	Receptor for retinoic acid. Retinoic acid receptors bind as heterodimers to their target response elements in response to their ligands, all-trans or 9-cis retinoic acid, and regulate gene expression in various biological processes. The RAR/RXR heterodimers bind to the retinoic acid response elements (RARE).[UniProtKB/Swiss-Prot Function]