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Product datasheet for MR208330

Rxrb (NM_011306) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rxrb (NM_011306) 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:

>MR208330 representing NM_011306
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTTGGGCCACTCGTCCGCCCTTCCTCCCGCCGCGGCATGCCGCGGGGCAGTGTGGGCCGGTGGGGG
TGAGAAAAGAGATGCATTGTGGGGTCGCGTCCCGGTGGCGGCGGCGGCGGCCCTGGCTGGATCCCGCGGC
GGCGGCGGCGGCGGCCGGAGAGCAGCAAGCCCTGGAGCCGGAGCCGGGGGAGGCTGGCCGGGACGGGATG
GGCGACAGCGGGCGGGATTCCCGAAGCCCAGACAGCTCCTCCCCAAATCCCCTTTCTCAGGGGATCCGTC
CGTCTTCTCCTCCTGGCCCACCTCTTACCCCTTCAGCACCTCCACCTCCAATGCCACCCCCGCCACTGGG
CTCCCCCTTCCCAGTCATCAGTTCTTCCATGGGGTCCCCTGGTCTGCCCCCTCCGGCTCCCCCAGGATTC
TCCGGGCCTGTCAGCAGCCCTCAGATCAACTCCACAGTGTCGCTCCCTGGGGGTGGGTCTGGCCCCCCTG
AAGATGTGAAGCCACCGGTCTTAGGGGTCCGGGGCCTGCACTGTCCACCCCCTCCAGGTGGTCCTGGGGC
TGGCAAACGGCTCTGTGCAATCTGCGGGGACCGAAGCTCAGGCAAGCACTATGGGGTTTACAGCTGCGAG
GGCTGCAAGGGTTTCTTCAAGCGCACCATTCGGAAGGACCTGACCTACTCGTGTCGTGATAACAAAGACT
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GAAAAGGGAGGCGGTTCAGGAGGAGCGTCAACGGGGGAAGGACAAAGACGGGGATGGAGATGGGGCTGGG
GGAGCCCCTGAGGAGATGCCTGTGGACAGGATCCTGGAGGCAGAGCTTGCTGTGGAGCAGAAGAGTGACC
AAGGCGTTGAGGGTCCTGGGGCCACCGGGGGTGGTGGCAGCAGCCCAAATGACCCAGTGACTAACATCTG
CCAGGCAGCTGACAAACAGCTGTTCACACTCGTTGAGTGGGCAAAGAGGATCCCGCACTTCTCCTCCCTA
CCTCTGGACGATCAGGTCATACTGCTGCGGGCAGGCTGGAACGAGCTCCTCATTGCGTCCTTCTCCCATC
GGTCCATTGATGTCCGAGATGGCATCCTCCTGGCCACGGGTCTTCATGTGCACAGAAACTCAGCCCATTC
CGCAGGCGTGGGAGCCATCTTTGATCGGGTGCTGACAGAGCTAGTGTCCAAAATGCGTGACATGAGGATG
GACAAGACAGAGCTTGGCTGCCTGCGGGCAATCATACTGTTTAATCCAGACGCCAAGGGCCTCTCCAACC
CTGGAGAGGTGGAGATCCTTCGGGAGAAGGTGTACGCCTCACTGGAGACCTATTGCAAGCAGAAGTACCC
TGAGCAGCAGGGCCGGTTTGCCAAGCTGCTGTTACGTCTTCCTGCCCTCCGCTCCATCGGCCTCAAGTGT
CTGGAGCACCTGTTCTTCTTCAAGCTCATTGGCGACACCCCCATTGACACCTTCCTCATGGAGATGCTTG
AGGCTCCCCACCAGCTAGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

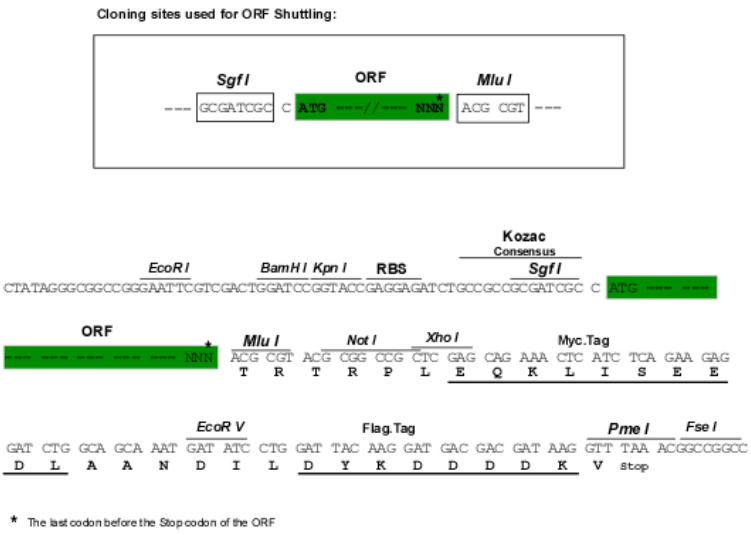
>MR208330 representing NM_011306
Red=Cloning site Green=Tags(s)

MSWATRPPFLPPRHAAGQCGPVGVRKEMHCGVASRWRRRRPWLDPAAAAAAAGEQQALEPEPGEAGRDGM
GDSGRDSRSPDSSSPNPLSQGIRPSSPPGPPLTPSAPPPPMPPPPLGSPFPVISSSMGSPGLPPPAPPGF
SGPVSSPQINSTVSLPGGGSGPPEDVKPPVLGVRGLHCPPPPGGPGAGKRLCAICGDRSSGKHYGVYSCE
GCKGFFKRTIRKDLTYSCRDNKDCTVDKRQRNRCQYCRYQKCLATGMKREAVQEERQRGKDKDGDGDGAG
GAPEEMPVDRILEAELAVEQKSDQGVEGPGATGGGGSSPNDPVTNICQAADKQLFTLVEWAKRIPHFSSL
PLDDQVILLRAGWNELLIASFSHRSIDVRDGILLATGLHVHRNSAHSAGVGAIFDRVLTELVSKMRDMRM
DKTELGCLRAIILFNPDAKGLSNPGEVEILREKVYASLETYCKQKYPEQQGRFAKLLLRLPALRSIGLKC
LEHLFFFKLIGDTPIDTFLMEMLEAPHQLA

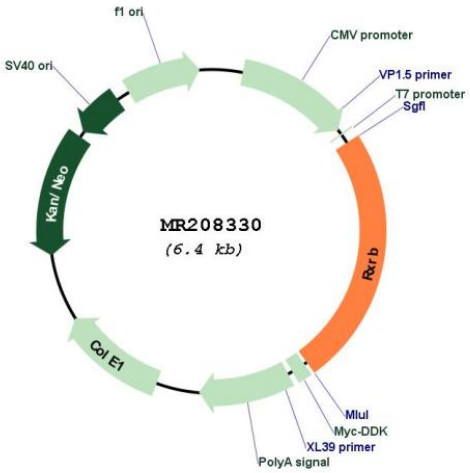
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_011306
ORF Size:	1560 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:	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_011306.4, NP_035436.1
RefSeq Size:	2621 bp
RefSeq ORF:	1563 bp
Locus ID:	20182
UniProt ID:	P28704
Cytogenetics:	17 17.98 cM
MW:	56.3 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]