

Product datasheet for **MG208330**

Rxrb (NM_011306) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rxrb (NM_011306) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rxrb
Synonyms:	AL023085; H-2RIIBP; Nr2b2; RCoR-1; Rub
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208330 representing NM_011306
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTGGGCCACTCGTCCGCCCTTCTCCGCCCGCGGCATGCCGCGGGCAGTGTGGCCGGTGGGG
 TGAGAAAAGAGATGCATTGTGGGTTCGCTCCCGTGGCGGCGCGGCCCTGGCTGGATCCCGCGG
 GGCGGCGCGGCCGGAGAGCAGCAAGCCCTGGAGCCGGAGCCGGGGAGGCTGGCCGGACGGGATG
 GGCGACAGCGGGCGGATTCCCGAAGCCAGACAGCTCCTCCCAATCCCTTTCTCAGGGGATCCGTC
 CGTCTTCTCCTCGGCCACCTTTACCCCTTACGACCTCCACCTCCAATGCCACCCCGCCACTGGG
 CTCCCTTCCCAGTCATCAGTTCTTCCATGGGTCCCCTGGTCTGCCCTCCGGCTCCCCAGGATTC
 TCCGGCCTGTCAGCAGCCCTCAGATCACTCCACAGTGTGCTCCCTGGGGTGGGTCTGGCCCCCTG
 AAGATGTGAAGCCACCGTCTTAGGGTCCGGGCTGCACTGTCCACCCCTCCAGGTGGTCTGGGGC
 TGGCAAACGGCTCTGTGAATCTCGGGGACCGAAGCTCAGGCAAGCACTATGGGGTTTACAGCTGCGAG
 GGCTGCAAGGGTTTCTTCAAGCGCACCATTCGGAAGACCTGACCTACTCGTGTGCTGATAACAAAGACT
 GTACAGTGGACAAGCGCCAGCGGAATCGCTGTCAGTACTGTCGCTATCAGAAGTGCCTGGCCACTGGCAT
 GAAAAGGGAGGCGGTTTCAGGAGGAGCGTCAACGGGGAAGGACAAAGACGGGATGGAGATGGGGCTGGG
 GGAGCCCTGAGGAGATGCTGTGGACAGGATCCTGGAGGAGAGCTTGTGTGGAGCAGAAGAGTGACC
 AAGGCGTTGAGGGTCTGGGGCCACCGGGGTGGTGGCAGCAGCCAAATGACCCAGTGACTAACATCTG
 CCAGGCAGCTGACAAACAGCTGTTACACTCGTTGAGTGGGCAAGAGGATCCCGCACTTCTCCTCCCTA
 CCTCTGGACGATCAGGTCACTGCTCGGGCAGGCTGGAACGAGCTCCTATTGCGTCTTCTCCCATC
 GTCCATTGATGTCGAGATGGCATCCTCTGGCCACGGGTCTTATGTGCACAGAAACTCAGCCATTTC
 CGCAGGCGTGGGAGCCATCTTGTATCGGGTGTGACAGAGCTAGTGTCCAAAATGCGTGACATGAGGATG
 GACAAGACAGAGCTTGGCTGCTGCGGGCAATCATACTGTTAATCCAGACGCCAAGGGCTCTCCAACC
 CTGGAGAGGTGGAGATCCTTCGGGAGAAGGTGTACGCTCACTGGAGACCTATTGCAAGCAGAAGTACCC
 TGAGCAGCAGGGCCGTTTGCCAAGCTGCTGTTACGTCTTCTGCCCTCCGCTCCATCGGCTCAAGTGT
 CTGGAGCACCTGTTCTTCTCAAGCTCATTGGCGACACCCCATGACACCTTCTCATGGAGATGCTTG
 AGGCTCCCCACCAGCTAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208330 representing NM_011306
 Red=Cloning site Green=Tags(s)

MSWATRPPFLPPRHAAGQCQPGVGRKEMHCGVASRWRRRRPWLDPAAAAAAGEQQALEPEPGEAGRDGM
 GDSGRDSRSPDSSPNPLSQGIRPSSPPGPPPTPSAPPPMPPPLGSPFPVISSSMGSPGLPPPAPPGF
 SGFVSSPQINSTVSLPGGGSPPEVDKPPVLGVRGLHCPPPPGGPGAGKRLCAICGDRSSGKHYGVYSCE
 GCKGFFKRTIRKDLTYSCRDNKDCVTKRQRNRCQYCRYQKCLATGMKREAVQEERQRGDKDGDGDGAG
 GAPEEMPVDRILEAELAVEQKSDQVEGPGATGGGSSPNPVTNICQAADKQLFTLVEWAKRIPHFSSL
 PLDDQVILLRAGWNELLIASFSHRSIDVRDILLATGLHVHRNSAHSAGVGAIFDRVLTELVSKMRDMMR
 DKTELGLRAIILFNPDAKGLSNPGEVEILREKVYASLETYCKQKYPEQQGRFAKLLRLPALRSIGLKC
 LEHLFFFKLIGDTPIDTFLMEMLEAPHQLA

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


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

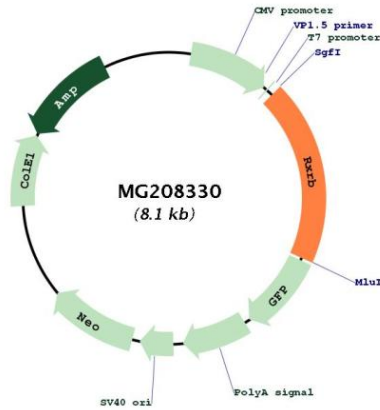
UniProt ID: [P28704](#)

Cytogenetics: 17 17.98 cM

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]

Product images:



Circular map for MG208330