

Product datasheet for **MC228160**

Rxrb (NM_001205214) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC228160 representing NM_001205214
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTGGGCCACTCGTCCGCCCTTCTCCCGCCGGCATGCCGCGGGCAGTGTGGCCGGTGGGG
 TGAGAAAAGAGATGCATTGTGGGTGCGTCCCGGTGGCGGCGGGCGGCCCTGGCTGGATCCCGCGG
 GGCGGCGCGGCCGGCGGAGAGCAGCAAGCCCTGGAGCCGGAGCCGGGGAGGCTGGCCGGGACGGGATG
 GGCGACAGCGGGCGGATTCCCGAAGCCAGACAGCTCCTCCCAAATCCCTTTCTCAGGGGATCCGTC
 CGTCTTCTCCTCGGCCACCTTTACCCCTTACGACCTCCACCTCCAATGCCACCCCGCCACTGGG
 CTCCCTTCCCAGTCATCAGTTCTTCCATGGGTCCCCTGGTCTGCCCTCCGGCTCCCCAGGATTC
 TCCGGCCTGTCAGCAGCCCTCAGATCACTCCACAGTGTGCTCCCTGGGGTGGGTCTGGCCCCCTG
 AAGATGTGAAGCCACCGTCTTAGGGTCCGGGCTGCACTGTCCACCCCTCCAGGTGGTCTGGGGC
 TGGCAAACGGCTCTGTGAATCTGCGGGACCGAAGCTCAGGCAAGCACTATGGGGTTTACAGCTGCGAG
 GGCTGCAAGGGTTTCTTCAAGCGCACCATTCGGAAGGACCTGACCTACTCGTGTGCTGATAACAAAGACT
 GTACAGTGGACAAGCGCCAGCGGAATCGCTGTGCTACTGTGCTATCAGAAGTGCCTGGCCACTGGCAT
 GAAAAGGGAGGCGGTTCCAGGAGGAGCGTCAACGGGGAAGGACAAAGACGGGATGGAGATGGGGCTGGG
 GGAGCCCTGAGGAGATGCTGTGGACAGGATCCTGGAGGAGAGCTTGTGTGGAGCAGAAGAGTGACC
 AAGGCGTTGAGGGTCTGGGGCCACCGGGGTGGTGGCAGCAGCCAAATGACCCAGTGACTAACATCTG
 CCAGGCAGCTGACAAACAGCTGTTACACTCGTTGAGTGGGCAAGAGGATCCCGCACTTCTCCTCCCTA
 CCTCTGGACGATCAGGTCACTGCTGCGGGCAGGCTGGAACGAGCTCCTCATTGCGTCTTCTCCCATC
 GGTCCATTGATGTCGAGATGGCATCCTCCTGGCCACGGGTCTTCATGTGCACAGAAACTCAGCCATT
 CGCAGGCGTGGGAGCCATCTTTGATCGTCCCTCTCCAGGGTGTGACAGAGCTAGTGTCCAAAATGCGT
 GACATGAGGATGGACAAGACAGAGCTTGGCTGCCTGCGGCAATCATACTGTTTAAATCCAGACGCCAAGG
 GCCTCTCAACCCCTGGAGAGGTGGAGATCCTTCGGGAGAAGGTGTACGCCTCACTGGAGACCTATTGCAA
 GCAGAAGTACCCTGAGCAGCAGGGCCGGTTTGCCAAGCTGCTGTTACGTCTTCTGCCCTCCGCTCCATC
 GGCCTCAAGTGTCTGGAGCACCTGTTCTTCAAGCTCATTGGCGACACCCCATTTGACACCTTCTCA
 TGGAGATGCTTGGAGCTCCCAACAGCTAGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001205214
- Insert Size:** 1575 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001205214.1](#), [NP_001192143.1](#)

RefSeq Size: 2633 bp

RefSeq ORF: 1575 bp

Locus ID: 20182

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]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.