

Product datasheet for **MC227544**

Rxb (NM_001205216) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rxb (NM_001205216) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rxb
Synonyms: AL023085; H-2RIIBP; Nr2b2; RCoR-1; Rub
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227544 representing NM_001205216
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCACCCCGCCACTGGGCTCCCCCTCCCAGTCATCAGTTCTTCCATGGGGTCCCCTGGTCTGCCCC
 CTCGGCTCCCCAGGATTCCTCGGGCTGTGAGCAGCCCTCAGATCACTCCACAGTGTGCTCCCTGG
 GGGTGGTCTGGCCCCCTGAAGATGTGAAGCCACCGGTTAGGGTCCGGGGCTGCACTGTCCACCC
 CCTCCAGGTGGTCTGGGGCTGGCAAACGGCTCTGTGCAATCTGCGGGGACCGAAGCTCAGGCAAGCACT
 ATGGGGTTTACAGCTGCGAGGGCTGCAAGGGTTTCTTCAAGCGCACCATTCGGAAGGACCTGACCTACTC
 GTGTCGTGATAACAAAGACTGTACAGTGGACAAGCGCCAGCGGAATCGCTGTGACTGTGCTATCAG
 AAGTGCCTGGCCACTGGCATGAAAAGGGAGGCGGTTTCCAGGAGAGCGTCAACGGGGGAAGGACAAAGACG
 GGGATGGAGATGGGGCTGGGGGAGCCCCGAGGAGATGCCTGTGGACAGGATCCTGGAGGAGAGCTTGC
 TGTGGAGCAGAAGAGTGACCAAGCGTTGAGGGTCTGGGGCCACCGGGGTGGTGGCAGCAGCCCAAT
 GACCCAGTGACTAACATCTGCCAGGCAGCTGACAAACAGCTGTTACACTCGTTGAGTGGGCAAAGAGGA
 TCCCGCACTTCTCCTCCCTACCTCTGGACGATCAGGTCATACTGCTGCGGGCAGGCTGGAACGAGCTCCT
 CATTGCGTCTTCTCCATCGGTCCATTGATGTCGAGATGGCATCCTCCTGGCCACGGGTCTTCATGTG
 CACAGAACTCAGCCATTCCGCAAGCGTGGGAGCCATCTTTGATCGGGTGTGACAGAGCTAGTGTCCA
 AAATGCGTGACATGAGGATGGACAAGACAGAGCTTGGCTGCCTGCGGGCAATCATACTGTTAATCCAGA
 CGCCAAGGGCTCTCAACCCCTGGAGAGGTGGAGATCCTTCGGGAGAAGGTGTACGCCTCACTGGAGACC
 TATTGCAAGCAGAAGTACCCTGAGCAGCAGGGCCGTTTGCCAAGCTGCTGTTACGTCTTCTGCCCTCC
 GCTCCATCGGCTCAAGTGTCTGGAGCACCTGTTCTTCTCAAGCTCATTGGCGACACCCCAATTGACAC
 CTCTCATGGAGATGCTTGAGGCTCCCCACCAGCTAGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001205216
Insert Size:	1233 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:	<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:	<u>NM_001205216.1</u> , <u>NP_001192145.1</u>
RefSeq Size:	2344 bp
RefSeq ORF:	1233 bp
Locus ID:	20182
UniProt ID:	<u>P28704</u>
Cytogenetics:	17 17.98 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) has multiple differences, compared to variant 1. These differences result in a distinct 5' UTR and cause translation initiation at a downstream start codon, compared to variant 1. The encoded protein (isoform 4) is shorter than isoform 1.</p> <p>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.</p>