

Product datasheet for **MG206527**

Rxb (BC019432) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rxb (BC019432) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Rxb
Synonyms: Nr2b2, RCoR-1, H-2RIIBP, Rub
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG206527 representing BC019432
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCACCCCGCCACTGGGCTCCCCCTCCAGTCATCAGTTCTTCCATGGGGTCCCCTGGTCTGCCCC
 CTCCGGCTCCCCAGGATTCTCCGGCCTGTCAGCAGCCCTCAGATCACTCCACAGTGTGCTCCCTGG
 GGGTGGGCTGGCCCCCTGAAGATGTGAAGCCACCGGCTTAGGGTCCGGGCTGCACTGTCCACCC
 CCTCCAGGTGGTCTGGGCTGGCAAACGGCTCTGTGCAATCTGCGGGACCGAAGCTCAGGCAAGCACT
 ATGGGGTTTACAGCTGCGAGGGCTGCAAGGGTTCTTCAAGCGCACCATTCGGAAGGACCTGACCTACTC
 GTGTCGTGATAACAAGACTGTACAGTGGACAAGCGCCAGCGGAATCGCTGTGACTGTGCTATCAG
 AAGTGCCTGGCCACTGGCATGAAAAGGGAGGCGGTTTCAGGAGGAGCGTCAACGGGGGAAGGACAAAGACG
 GGGATGGAGATGGGGCTGGGGGAGCCCCTGAGGAGATGCCTGTGGACAGGATCCTGGAGGACAGCTTGC
 TGTGGAGCAGAAGAGTGACCAAGGCGTTGAGGGTCTGGGGCCACCGGGGTGGTGGCAGCAGCCAAAT
 GACCCAGTGACTAACATCTGCCAGGCAGCTGACAAACAGCTGTTCACTCGTTGAGTGGGCAAAGAGGA
 TCCCGCACTTCTCCTCCCTACCTCTGGACGATCAGGTCACTGCTGCGGGCAGGCTGGAACGAGCTCCT
 CATTGCGTCTTCTCCATCGGTCCATTGATGTCCGAGATGGCATCCTCCTGGCCAGGGTCTTCATGTG
 CACAGAACTCAGCCCATTCCGAGGCGTGGGAGCCATTTGATCGGTCCCTCCAGGGTGTGACAG
 AGCTAGTGTCCAAAATGGGTGACATGAGGATGGACAAGACAGAGCTTGGCTGCCTGCGGGCAATCACT
 GTTTAATCCAGACGCAAGGGCCTCTCCAAACCCTGGAGAGGTGGAGATCCTTCGGGAGAAGTGTACGCC
 TCACTGGAGACCTATTGCAAGCAGAAGTACCCTGAGCAGCAGGGCCGTTTGCCAAGCTGCTGTTACGTC
 TTCCTGCCCTCCGCTCCATCGGCCTCAAGTGTCTGGAGCACCTGTTCTTCTTCAAGCTCATTGGCGACAC
 CCCATTGACACCTTCTCATGGAGATGCTTGGGCTCCCCACCAGCTAGCC

ACGGTACGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206527 representing BC019432
 Red=Cloning site Green=Tags(s)

MPPPPPLGSPFPVIVSSSMGSPGLPPPAPPGFSGPVSSPQINSTVSLPGGGSGPPEDVKPPVLGVRGLHCPP
 PPGGPGAGKRLCAICGDRSSGKHYGVYSCEGCKGFFKRTIRKDLTYS CRDNKDC TVDKRQRNRCQYCRYQ
 KCLATGMKREAVQEERQRGKDKDGDGDGAGGAPEEMPVDRILEAELAVEQKSDQGVGPGATGGGSSPN
 DPVTNICQAADKQLFTLVEWAKRIPHFSSPLDDQVILLRAGWNELLIASFSHRSIDVRDGILLATGLHV
 HRNSAHSAGVGAIFDRSLSRVLTSLVSKMRDMRMDKTELGLRAIILFNPDAKGLSNPGEVEILREKVYA
 SLETYCKQKYPEQQGRFAKLLLRPALRSIGLKCLEHLFFFKLIGDTPIDTFLMEMLEAPHQLA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC019432

ORF Size: 1242 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: [BC019432.1](#)

RefSeq Size: 2294 bp

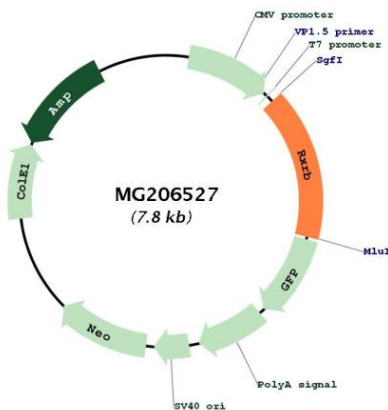
RefSeq ORF: 1244 bp

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]

Product images:



Circular map for MG206527