

Product datasheet for MR229780

Rxb (NM_001205215) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rxb (NM_001205215) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rxb
Synonyms: AL023085; H-2RIIBP; Nr2b2; RCoR-1; Rub
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR229780 representing NM_001205215
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGCCACCCCGCCACTGGGCTCCCCCTCCAGTCATCAGTTCTCCATGGGGTCCCCTGGTCTGCCCC
 CTCCGGCTCCCCAGGATTCTCCGGCCTGTCAGCAGCCCTCAGATCACTCCACAGTGTGCTCCCTGG
 GGGTGGGCTGGCCCCCTGAAGATGTGAAGCCACCGGCTTAGGGTCCGGGGCTGACTGTCCACCC
 CCTCCAGGTGGTCTGGGCTGGCAAACGGCTCTGTGCAATCTGCGGGGACCGAAGCTCAGCAAGCACT
 ATGGGGTTTACAGCTGCGAGGGCTGCAAGGGTTCTTCAAGCGCACCATTCGGAAGGACCTGACCTACTC
 GTGTCGTGATAACAAGACTGTACAGTGGACAAGCGCCAGCGGAATCGCTGTGACTGTGCTATCAG
 AAGTGCCTGGCCACTGGCATGAAAAGGGAGGCGGTTTCAGGAGGAGCGTCAACGGGGGAAGGACAAAGACG
 GGGATGGAGATGGGGCTGGGGGAGCCCCTGAGGAGATGCCTGTGGACAGGATCCTGGAGGACAGCTTGC
 TGTGGAGCAGAAGAGTGACCAAGGCGTTGAGGGTCTGGGGCCACCGGGGTGGTGGCAGCAGCCAAAT
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 TCCCGCACTTCTCCTCCCTACCTCTGGACGATCAGGTCACTGCTGCGGGCAGGCTGGAACGAGCTCCT
 CATTGCGTCTTCTCCATCGGTCCATTGATGTCCGAGATGGCATCCTCCTGGCCAGGGTCTTCATGTG
 CACAGAACTCAGCCATTCCGAGGCGTGGAGCCATCTTGTGATCGGTCCCTCCAGGGTGTGACAG
 AGCTAGTGTCCAAAATGGGTGACATGAGGATGGACAAGACAGAGCTTGGCTGCCTGCGGGCAATCACT
 GTTTAATCCAGACGCAAGGGCCTCTCCAACCCTGGAGAGGTGGAGATCCTTCGGGAGAAGTGTACGCC
 TCACTGGAGACCTATTGCAAGCAGAAGTACCCTGAGCAGCAGGGCCGTTTGCCAAGCTGCTGTTACGTC
 TTCTGCCCTCCGCTCCATCGGCCTCAAGTGTCTGGAGCACCTGTTCTTCTTCAAGCTCATTGGCGACAC
 CCCCATTGACACCTTCTCATGGAGATGCTTGAGGCTCCCCACCAGCTAGCC

ACGGTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229780 representing NM_001205215
 Red=Cloning site Green=Tags(s)

MPPPLGSPFPVIVSSSMGSPGLPPPAPPGFSGPVSSPQINSTVSLPGGGSGPPEDVKPPVLGVRGLHCPP
 PPGGPGAGKRLCAICGDRSSGKHYGVYSCEGCKGFFKRTIRKDLTYS CRDNKDC TVDKRQRNRCQYCRYQ
 KCLATGMKREAVQEERQRGKDKDGDGDGAGGAPEEMPVDRILEAELAVEQKSDQGVGPGATGGGSSPN
 DPVTNICQAADKQLFTLVEWAKRIPHFSSPLDDQVILLRAGWNELLIASFSHRSIDVRDGILLATGLHV
 HRNSAHSAGVGAIFDRSLSRVLTSLVSKMRDMRMDKTELGCLRAIILFNPDAKGLSNPGEVEILREKVYA
 SLETYCKQKYPEQQGRFAKLLLRPALRSIGLKCLEHLFFFKLIGDTPIDTFLMEMLEAPHQLA

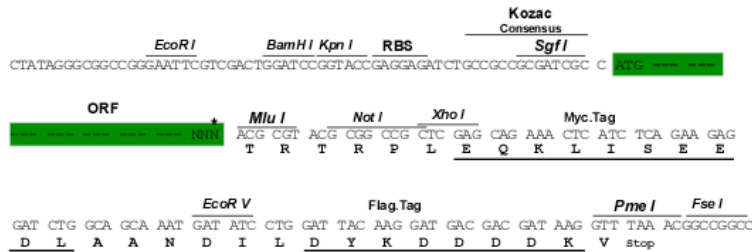
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001205215

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: NM_001205215.1, NP_001192144.1

RefSeq Size: 2356 bp

RefSeq ORF: 1245 bp

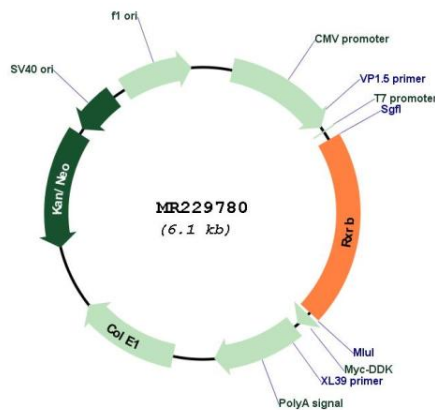
Locus ID: 20182

Cytogenetics: 17 17.98 cM

MW: 44.8 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]

Product images:



Circular map for MR229780