

Product datasheet for MC217743

Rxrg (NM_001159731) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rxrg (NM_001159731) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rxrg
Synonyms:	Nr2b3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC217743 representing NM_001159731 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACTACCCATCCACCAGCCCTGGGTCTCTGGTGAAACACATCTGTGCCATCTGTGGGACAGATCCT
CAGGGAAGCACTACGGTGTGTACAGCTGTGAAGTTGCAAAGGCTTCTTCAAAGGACCATCAGGAAAGA
TCTCATCTACACCTGTCGGGATAACAAAGATTGTCTCATCGACAAGCGCCAGCGCAACCGCTGCCAGTAC
TGTCGCTACCAGAAGTGCCTGGTCATGGGCATGAAGCGGGAAGCTGTGCAAGAAGAAAGGCAGAGGAGCC
GAGAGCGAGCAGAGAGTGAGGCAGAATGTGCCAGTAGTAGCCACGAAGACATGCCCGTGGAGAGGATTCT
AGAAGCCGAACCTTGTGTGGAACCAAAGACAGAAATCCTACGGTGACATGAACGTGGAGAACTCAACAAAT
GACCCCTGTTACCAACATATGCCATGCTGCAGATAAGCAACTTTTACCCTCGTTGAGTGGGCCAAACGCA
TCCCCACTTCTCAGATCTCACCTTGGAGGACCAGGTCATTCTACTCCGGGCAGGGTGAATGAACTGCT
CATTGCCCTCCTTCTCCCACCGCTCGGTTTCCGTCCAGGATGGCATCCTGCTGGCCACGGGCTCCACGTG
CACAGGAGCAGCGCTCACAGCGCGGAGTCGGTCCATCTTCGACAGAGTCTTACAGAGTTGGTGTCCA
AGATGAAAGACATGCAGATGGATAAGTCAGAGCTGGGGTGCTACGGGCCATCGTCTGTTAAACCCAGA
TGCCAAGGGTTTATCCAACCCCTCTGAGGTGGAGACTTTCGAGAGAAGGTTTATGCCACCCTGGAGGCC
TATACCAAGCAGAAGTATCCGGAACAGCCAGGCAGGTTTGCCAAGCTTCTGCTGCGTCTCCCTGCTCTGC
GCTCCATCGGCTTGAAATGCCTGGAACACCTTCTTCTTCAAGTCATTGGAGACACTCCCATCGACAG
CTTCTCATGGAGATGTTGGAGACCCCACTGCAGATCACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



[View online »](#)

ACCN:	NM_001159731
Insert Size:	1023 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).
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_001159731.1</u> , <u>NP_001153203.1</u>
RefSeq Size:	1695 bp
RefSeq ORF:	1023 bp
Locus ID:	20183
UniProt ID:	<u>P28705</u>
Cytogenetics:	1 74.99 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) composed of tandem 5'-AGGTCA-3' sites known as DR1-DR5. The high affinity ligand for RXRs is 9-cis retinoic acid (By similarity).</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) is shorter at the N-terminus compared to isoform 1.</p>