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Product datasheet for MC200681

Rarg (NM_011244) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rarg (NM_011244) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rarg
Synonyms:	Nr1b3; RAR-gamma; RARD; RARgamma2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>BC012923 sequence for NM_011244
GTTTGGGAGAAAATGTGTCGGATATTTTGGGGCGGTCACGTGGGCGGGCGGGCTCCGAGAGGCCCCGGGA
TTGTCCCAGCCTAGAGCCGTGCCCCCCTGAAGCCCCCCATTACCGCGAGTCACTAACACCGCGGTGCTCC
ATCCCCGAGACCGCCCGACGCCGGGACCTCGGGGCTCTGCGGCCTTCCTTCCCCCGCCCTCCCCTCCAGC
AGTTTCCACCAGGTCCCTCACCTCAGCCTGGCCCAGTATGTAGGAGGGACTCTCTGCAGAGGCCAGAGGG
ATCCTTGGAAACCCACTGGACAGACCAGGCAGGGTGGGCACGGAGCCTCCCAGGCCAGGGCAGTGGGCAT
GGGCGGGGGCTGTAGCTGAAGACCACCCCCGCCTGCTGCAGAGTCCAAGGGATTCCCACGCCGCAGCTAC
CATGGCCACCAATAAGGAGAGACTCTTTGCGCCCGGTGCCCTGGGGCCTGGATCTGGTTACCCAGGAGCA
GGCTTCCCATTCGCCTTCCCAGGTGCACTCAGAGGGTCGCCACCATTTGAGATGCTGAGCCCTAGCTTCC
GGGGCCTGGGCCAGCCTGACCTCCCCAAGGAGATGGCTTCTCTCTCGGTGGAGACACAGAGCACCAGCTC
GGAGGAGATGGTACCCAGCTCTCCCTCACCCCCACCACCTCCTCGGGTCTATAAGCCATGCTTTGTATGC
AATGACAAGTCTTCTGGCTACCACTATGGGGTCAGCTCCTGTGAAGGCTGCAAGGGCTTCTTCAGACGCA
GCATTCAGAAAAACATGGTGTATACATGTCACCGTGACAAAAACTGTATCATCAACAAGGTCACCAGAAA
TCGATGCCAGTACTGCAGGCTACAAAAGTGTTTCGAAGTGGGCATGTCCAAGGAAGCTGTAAGGAACGAT
CGAAACAAGAAGAAAAAGGAGGTAAAAGAGGAGGGCTCGCCCGACAGCTATGAACTGAGTCCACAGTTAG
AGGAACTCATCACCAAGGTCAGCAAAGCCCACCAGGAGACTTTTCCCTCACTCTGCCAGCTGGGCAAGTA
CACCACGAACTCCAGTGCAGATCACCGGGTGCAGCTGGACCTGGGGCTGTGGGACAAGTTCAGCGAGCTG
GCCACCAAATGCATCATCAAGATTGTGGAGTTTGCGAAGCGGCTGCCTGGTTTTACAGGGCTCAGCATTG
CCGACCAGATCACGCTGCTCAAGGCTGCTTGTCTGGACATCCTAATGCTGCGGATCTGTACAAGGTATAC
CCCAGAGCAGGACACTATGACATTCTCGGATGGGCTGACCCTGAACCGAACCCAGATGCACAATGCTGGC
TTTGGGCCCCTTACAGACCTCGTCTTTGCCTTTGCCGGGCAGCTGCTGCCCCTGGAGATGGATGACACCG
AGACTGGGCTACTTAGTGCTATCTGCCTCATCTGTGGAGACCGAATGGACCTGGAAGAGCCCGAGAAGGT
GGACAAGCTGCAGGAGCCCCTGCTGGAAGCCCTGAGGCTCTATGCCCGGCGACGGAGACCCAGCCAACCC
TACATGTTCCCAAGGATGCTGATGAAAATCACCGACCTCCGGGGCATCAGCACTAAGGGAGCAGAAAGGG
CTATAACCCTGAAGATGGAGATTCCAGGCCCGATGCCACCCCTGATCCGAGAGATGCTGGAGAACCCGGA
GATGTTTGAGGACGACTCCTCGAAGCCTGGCCCCCACCCCAAGGCTTCCAGTGAGGACGAAGCTCCAGGG
GGCCAGGGCAAAAGGGGCCAAAGTCCCCAACCTGACCAGGGGCCCTGACCTACCCCGTTGTGGGGTTGGG
CCCCAGGCAGCAGACTGACCATTTCCCAGATACCGCCAGTGACTGGGGGAGGACCTGCCCCGCCCACTCT
CCACCCTTTTAATGAGCTCGTTATTTTGCCAAAGTTTCTAGGGGTGCCTGTGTTCATCCCTGTCCTGTTC
TAACTGGCTCCCTCTACAGTCCCGCGGGACTGCTGCACACCTACCAGAAGAGCTGGAGAAGGGGCGAGCC
TGGGTCTAGACTCTAAAATCTCAGCACTGCCTTTCGGATTCAGGCCACAGGCTCCCGACGCAAGAGGAAG
CCCCGCCTTCCCATAGCCTTTTCCTCTGCCAGGTGCTTGGGCCTCTGGGAGCAAACAGGAACACTAGAGA
CCAAAAGGGGGGCCCCCCCCGAGGGAGGGCTGAGCCCACCCTTGTGCCCCACCCTGAGCGCCTGACTCTG
TGTGATGAATCTGCCGCGCTCAGTGCCCCCGGTGCCCCATCCTAATCCTCCTGCCGGGTGTAGGGGCAGG
CTGGGGCCTGCGTTTCTAGGGTGGGGCCTGAGGGGGAAGGGAGAATGTGAGCCCGAGCCCGTCTGTACCT C

Restriction Sites: RsrII-NotI

ACCN: NM_011244

Insert Size: 1377 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:	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:	BC012923, AAH12923
RefSeq Size:	2381 bp
RefSeq ORF:	1377 bp
Locus ID:	19411
UniProt ID:	P18911
Cytogenetics:	15 57.4 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) composed of tandem 5'-AGGTCA-3' sites known as DR1-DR5. In the absence of ligand, acts mainly as an activator of gene expression due to weak binding to corepressors (By similarity). Required for limb bud development. In concert with RARA or RARB, required for skeletal growth, matrix homeostasis and growth plate function. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).