

Product datasheet for **MC216192**

Rorb (NM_001043354) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rorb (NM_001043354) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rorb
Synonyms:	hstp; Nr1f2; Rorbeta; RZR-beta; RZRB
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216192 representing NM_001043354
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGAGCACAAATTGAAGTGATACCATGCAAAATTTGTGGCGATAAATCCTCCGGATCCACTACGGAG
 TCATCACGTGTGAAGGCTGCAAGGGATTCTTCAGGAGGAGCCAGCAGAACAATGCCTCTTACTCCTGCC
 AAGGCAGAGAAACTGTTTAATTGACAGAACCAACAGGAACCGTTGCCAACACTGCCGCTGCAGAAGTGT
 CTTGCCCTAGGAATGTCAAGAGATGCTGTAAAGTTCGGGAGGATGTCCAAGAAGCAGCGGGACAGCCTGT
 ATGCTGAGGTGCAGAAGCATCAGCAAAGGCTGCAGGAGCAGCGGCAGCAGAGTGGGGAGGCGGAGGC
 CCTCGCCAGGGTGTACAGCAGCAGCATTAGCAATGGCCTCAGCAACCTGAACACCGAGACCGGGCACA
 TACGCCAACGGGCAGTCATTGACCTGCCCAAGTCCGAAGTTATTACAGCATAGATTCCGGTCAGCCGT
 CTCCCGATCAGTCAGGACTGGACATGACTGGGATCAAACAGATAAAGCAAGAACCTATCTATGACCTCAC
 ATCTGTACCCAATTGTTTACCTATAGCTTTTCAACAACGGGCAGTTAGCTCCCGGATAACAATGTCT
 GAGATCGATCGAATTGCACAGAACATCATTAAGTCCCATTGGAGACATGTCAGTACACCATGGAAGAAC
 TCCATCAGCTGGCATGGCAGACCCACACCTACGAGGAAATCAAGGCGTATCAAAGCAAGTCCAGGGAGGC
 TCTGTGGCAGCAGTGTGCCATCCAGATACCCATGCTATCCAGTACGTGGTGGAGTTCGCCAAGCGGATA
 ACAGGCTTCATGGAGCTGTGTCAGAACGATCAGATCTTACTTCTGAAGTCAGGTTGCTTGGAAAGTGGTTT
 TAGTGAGAATGTGTGTCGCTTCAACCCATTAAACAACACTGTTCTGTTTGAAGGAAAATATGGAGGAAT
 GCAAAATGTTCAAAGCCTTAGGTTTCGGATGACCTAGTGAATGAAGCATTGACTTTGCCAAGAATCTGTGT
 TCCTTGCAGCTGACTGAGGAAGAGATTGCTGTTCTCCTCTGCTGTTCTGATATCCCCAGACCGAGCCT
 GGCTGATCGAACCAAGAAAAGTCCAGAAGCTTCAGGAAAAGATTTATTTTGCAGTCAACATGTGATTCA
 GAAGAACCACCTGGATGATGAGACCCTGGCAAAGTTAATAGCCAAGATACCAACTATCACGGCAGTCTGC
 AACTTGATGGGAGAAGCTGCAGGTATTTAAGCAGTCTCATCCAGACATAGTGAATACACTGTTTCCTC
 CATTGTACAAGGAGCTCTTAACTCTGACTGTGCTGCGGTCTGCAAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001043354

Insert Size: 1380 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: [NM_001043354.2](#), [NP_001036819.1](#)

RefSeq Size: 9289 bp

RefSeq ORF: 1380 bp

Locus ID: 225998

UniProt ID: [Q8R1B8](#)

Cytogenetics: 19 B

Gene Summary: The protein encoded by this gene is a member of the NR1 subfamily of nuclear hormone receptors. It is a DNA-binding protein that can bind as a monomer or as a homodimer to hormone response elements upstream of several genes to enhance the expression of those genes. The encoded protein has been shown to interact with NM23-2, a nucleoside diphosphate kinase involved in organogenesis and differentiation, and to help regulate the expression of some genes involved in circadian rhythm. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2014]
Transcript Variant: This variant (1) has an alternate exon in place of the first exon compared to variant 2. The resulting isoform (1) has a shorter and distinct N-terminus compared to isoform 2. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.