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Product datasheet for MC227427

Rorb (NM_001289921) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rorb (NM_001289921) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rorb
Synonyms:	hstp; Nr1f2; Rorbeta; RZR-beta; RZRB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC227427 representing NM_001289921
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCAAGAGATGCTGTAAAGTTCGGGAGGATGTCCAAGAAGCAGCGGGACAGCCTGTATGCTGAGGTGC
AGAAGCATCAGCAAAGGCTGCAGGAGCAGCGGCAGCAGCAGAGTGGGGAGGCGGAGGCCCTCGCCAGGGT
GTACAGCAGCAGCATTAGCAATGGCCTCAGCAACCTGAACACCGAGACCGGCGGCACATACGCCAACGGG
CACGTCATTGACCTGCCCAAGTCCGAAGGTTATTACAGCATAGATTCCGGTCAGCCGTCTCCCGATCAGT
CAGGACTGGACATGACTGGGATCAAACAGATAAAGCAAGAACCTATCTATGACCTCACATCTGTACCCAA
CTTGTTTACCTATAGCTCTTTCAACAACGGGCAGTTAGCTCCCGGGATAACAATGTCTGAGATCGATCGA
ATTGCACAGAACATCATTAAGTCCCATTTGGAGACATGTCAGTACACCATGGAAGAACTCCATCAGCTGG
CATGGCAGACCCACACCTACGAGGAAATCAAGGCGTATCAAAGCAAGTCCAGGGAGGCTCTGTGGCAGCA
GTGTGCCATCCAGATCACCCATGCTATCCAGTACGTGGTGGAGTTCGCCAAGCGGATAACAGGCTTCATG
GAGCTGTGTCAGAACGATCAGATCTTACTTCTGAAGTCAGGTTGCTTGGAAGTGGTTTTAGTGAGAATGT
GTCGTGCCTTCAACCCATTAAACAACACTGTTCTGTTTGAAGGAAAATATGGAGGAATGCAAATGTTCAA
AGCCTTAGGTTCGGATGACCTAGTGAATGAAGCATTTGACTTTGCGAAGAATCTGTGTTCCTTGCAGCTG
ACTGAGGAAGAGATTGCTCTGTTCTCCTCTGCTGTTCTGATATCCCCAGACCGAGCCTGGCTGATCGAAC
CAAGAAAAGTCCAGAAGCTTCAGGAAAAGATTTATTTTGCACTGCAACATGTGATTCAGAAGAACCACCT
GGATGATGAGACCCTGGCAAAGTTAATAGCCAAGATACCAACTATCACGGCAGTCTGCAACTTGCATGGG
GAGAAGCTGCAGGTATTTAAGCAGTCTCATCCAGACATAGTGAATACACTGTTTCCTCCATTGTACAAGG
AGCTCTTTAATCCTGACTGTGCTGCGGTCTGCAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001289921
Insert Size:	1158 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001289921.1, NP_001276850.1
RefSeq Size:	8808 bp
RefSeq ORF:	1158 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 (3) contains an alternate exon compared to variant 2. The resulting isoform (3) is shorter at the 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.

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