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Product datasheet for RN200152

Nr1d1 (NM_001113422) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nr1d1 (NM_001113422) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nr1d1
Synonyms:	REV-ERBAALPHA
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

View online »

Fully Sequenced ORF:

>RN200152 representing NM_001113422
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACGACCCTAGACTCCAACAACAACACAGGTGGTGTTATCACCTACATTGGCTCCAGCGGATCCTCCC
CCAGCCGGACCAGCCCAGAGTCCCTCTATAGTGACAGCTCCAATGGCAGCTTCCAGTCCCTGACTCAAGG
TTGTCCCACATACTTCCCACCATCACCTACTGGCTCCCTCACCCAGGACCCTGCCCGCTCATTTGGCACT
GTGCCACCCAGCCTCAGTGATGATAGCTCCCCTTCTTCTGCTTCATCATCATCATCATCTTCCTCCTCCT
CCTTCTATAATGGGAGCCCCCCCGGAAGTCTACAAGTGGCCATGGAAGACAGCAGCCGAGTGTCCCCCAG
CAAGGGCACCAGCAACATTACCAAGCTTAACGGCATGGTGCTACTGTGTAAAGTGTGTGGGGACGTGGCC
TCAGGCTTCCACTATGGCGTGCATGCCTGCGAGGGCTGCAAGGGCTTTTTCCGCCGGAGCATCCAGCAGA
ACATCCAGTACAAGCGGTGTTTGAAAAACGAGAACTGCTCCATTGTCCGTATCAATCGCAACCGCTGCCA
GCAGTGTCGCTTCAAGAAGTGTCTCTCCGTTGGCATGTCTAGAGACGCTGTGCGTTTTGGACGTATCCCC
AAGAGAGAGAAGCAACGAATGCTTGCTGAGATGCAGAACGCCATGAACTTGGCCAACAACCAACTGAGCA
GCCTGTGCCCTCTAGAGACCTCACCTGCCCCGCACCCCACCTCAGGCTCCGTGGGCCCCTCACCACCTCC
TGCACCAGCCCCGACACCTTTGGTGGGCTTCTCTCAGTTCCCACAACAGCTGACACCACCCAGATCCCCG
AGTCCTGAGCCCACCGTGGAGGATGTGATATCCCAGGTGGCCAGGGCCCATCGAGAAATCTTCACCTATG
CCCATGACAAATTAGGCACCTCACCTGGCAACTTCAATGCCAATCATGCATCAGGTAGCCCTCCGGCTAC
CACTCCACAGTGCTGGGAGAGTCAGGGATGCCCGTCTACCCCCAACGACAACAACCTTTTGGCGGCTCAG
CGTCATAATGAAGCACTGAATGGTCTACGCCAGGGCCCCTCCTCCTACCCTCCTACCTGGCCTTCTGGCC
CTGCCCACCACAGCTGCCACCAGCCTAACAGCAATGGGCATCGCCTGTGCCCCACCCACGTATACTCGGC
CCCAGAAGGCAAGGCACCTGCCAACGGTCTACGGCAAGGCAACACCAAGAATGTTCTGCTGGCATGTCCC
ATGAACATGTATCCCCATGGACGTAGTGGCCGGACTGTGCAGGAGATCTGGGAAGACTTCTCTATGAGCT
TCACACCCGCTGTGCGGGAGGTGGTAGAATTTGCCAAACACATCCCCGGCTTCCGTGACCTTTCTCAGCA
CGACCAGGTGACCCTGCTTAAGGCTGGCACCTTTGAGGTGCTGATGGTGCGCTTTGCGTCATTGTTCAAC
GTGAAGGACCAGACAGTCATGTTCCTGAGCCGCACAACCTACAGCCTGCAGGAGCTCGGTGCCATGGGCA
TGGGTGACCTGCTCAATGCCATGTTTGACTTCAGCGAGAAGCTCAACTCTCTGGCGCTTACTGAGGAGGA
GCTGGGCCTTTTCACGGCAGTGGTACTTGTCTCTGCAGACCGCTCGGGAATGGAGAATTCCGCTTCGGTG
GAGCAGCTCCAGGAGACGCTGCTGCGGGCTCTTCGGGCTCTGGTGCTGAAGAACCGGCCCTCGGAGACTT
CCCGCTTCACCAAACTGCTGCTCAAGCTGCCGGACCTGCGGACCCTGAACAACATGCATTCCGAGAAGCT
GCTGTCCTTCCGGGTGGACGCCCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001113422

Insert Size: 1848 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_001113422.1, NP_001106893.1
RefSeq Size:	2344 bp
RefSeq ORF:	1848 bp
Locus ID:	252917
UniProt ID:	Q63503
Cytogenetics:	10q31
Gene Summary:	This gene encodes a transcription factor that is a member of the nuclear receptor subfamily 1. The encoded protein is a ligand-sensitive transcription factor that negatively regulates the expression of core clock proteins. In particular this protein represses the circadian clock transcription factor aryl hydrocarbon receptor nuclear translocator-like protein 1 (Arntl). This protein may also be involved in regulating genes that function in metabolic, inflammatory and cardiovascular processes. [provided by RefSeq, Feb 2014] Transcript Variant: This variant (1) encodes the longer isoform (1).