

## Product datasheet for **RR215684**

### **Nr1h2 (NM\_031626) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nr1h2 (NM_031626) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nr1h2
Synonyms:	LXRB; LXR beta; LXRbeta; OR-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RR215684 representing NM\_031626  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCTTCCCCACAAGTTCTCTGGACACTCCCTTGCTGGGAATGGTTCTCCCCAGCCAGTACCTCCT  
 CCACTTACCCACTATTAAGGAGGAGGTACAGGAGACTGATCCACCTCCAGGCTCTGAAGGTCCAGCTC  
 TGCTACATCGTGGAGCCAGAGGATGAACCTGAGCGCAAGCGGAAGAAGGTCCGGCCCCGAAGATGCTG  
 GGCCATGAGCTGTGCCGCGTGTGCGGGACAAGGCCTCGGGCTTCCACTACAATGTGCTCAGTTGTGAAG  
 GCTGCAAAGGCTTCTCCGGCGTAGCGTGGTCCATGGTGGGGCCGGGCGCTATGCCTGTCGGGGCAGCGG  
 AACCTGCCAGATGGATGCCTTATGCGGCGCAAGTGCCAGCTCTGCAGACTGCGCAAGTGAAGGAGGCT  
 GGCATGCGGGAGCAGTGCCTGCTTCTGAGGAGCAGATTCCGAAGAAAAAGATTGAGAAGCAGCAACAGC  
 AGCAGCCACCGCCCCGACTGAGCCAGCATCCGGTAGCTCAGCCCGCCCTGCAGCCTCCCCTGGCACTTC  
 GGAAGCAAGTAGCCAGGGCTCCGGGAAGGAGAGGGCATCCAGCTGACAGCGGCTCAGGAGCTGATGATC  
 CAACAGTTAGTTCGCGTGCAGCTGCAGTCAACAAGCGATCTTTCTCCGACCAGCCTAAAGTCACGCCCT  
 GGCCCTTGGGTGCAGACCCTCAGTCCCAGAGCGCTCGTCAGCAACGCTTTGCCCACTTCACTGAGCTAGC  
 CATCATCTCAGTCCAGGAGATCGTGGACTTCGCCAAGCAGGTGCCAGGGTTCTGCAGCTGGGCCGGGAG  
 GACCAGATCGCCCTCCTGAAGGCATCCACCATCGAGATCATGTTGCTAGAGACAGCCAGACGCTACAACC  
 ACGAGACAGAGTGCATCACGTTCTGAAGGACTTACCTACAGCAAGGACGACTTCCACCGTGCAGGCTT  
 GCAGGTGGAGTTCATCAATCCCATCTTTGAGTTCTCTCGGGCTATGCGTCCGGCTGGGCCAGACGATGCA  
 GAGTATGCCTTGCTCATTGCCATCAACATCTTCTCAGCGGACCGGCTAATGTGCAGGAGCCAGCCGTG  
 TGGAGGCTCTGCAGCAGCCCTATGTGGAGGCCCTCCTCTCTACACGAGGATCAAGCGGCCGAGGACCA  
 GCTGCGCTTCCCACGAATGCTCATGAAGCTGGTGAAGCTGAGCCTGCGCACCTCAGCTCCGTGCAGTCCGAGCAG  
 GTTTTCGATTGCGTCTCCAGGACAAGAAGCTGCCGCCTTTGCTGTCGAGATCTGGGATGTGCATGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR215684 representing NM\_031626  
 Red=Cloning site Green=Tags(s)

MSSPTSSLDTPLPNGNSPQPSTSSSTPTIKEEVQETDPPPGSEGSSSAYIVEPEDEPERKRKKGPAKML  
 GHELCRVCGDKASGFHYNVLSCEGCKGFFRRSVVHGGAGRYACRGSQMDAFMRRKQQLCRLRKCKEA  
 GMREQCVLSEEQIRKKKIQQQQQPPPTPEASGSSARPAASPGTSEASSQGSGEQEGIQLTAAQELMI  
 QQLVAVQLQCNKRSFSDQPKVTPWPLGADPQSRDARQQRFAHFTELAIISVQEIIVDFAKQVPGFLQLGRE  
 DQIALLKASTIEIMLLETARRYNHETECITFLKDFTYSKDDFHRAGLQVEFINPIFEF SRAMRRLGLDDA  
 EYALLIAINIFSADRPNVQEPSRVEALQQPYVEALLSYTRIKRPQDQLRFPRLMLKLVSLRTLSSVHSEQ  
 VFALRLQDKKLPLLSEIWDVHE

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja3111\\_d10.zip](https://cdn.origene.com/chromatograms/ja3111_d10.zip)

**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_031626

ORF Size: 1329 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

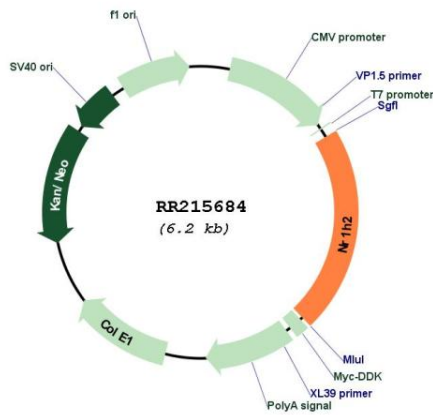
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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\\_031626.1](#), [NP\\_113814.1](#)

RefSeq Size:	1959 bp
RefSeq ORF:	1332 bp
Locus ID:	58851
UniProt ID:	<a href="#">Q62755</a>
Cytogenetics:	1q22
MW:	49.5 kDa
Gene Summary:	nuclear orphan receptor; may be involved in modulating 9-cis-retinoic acid signaling by interacting with retinoic acid receptor (RXR) [RGD, Feb 2006]

**Product images:**



Circular map for RR215684