

Product datasheet for **RR206478**

Nr1h3 (NM_031627) Rat Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Nr1h3 (NM_031627) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Nr1h3 |
| Synonyms: | LXRalpha |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RR206478 representing NM_031627
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTTGTGGCTGGAGCCGAGTGCCTGATGTTTCTCCTGACTCTGCAACGGAGTTGTGGAAGACAG
 AACCTCAAGATGCAGGAGACCAGGGAGGCAACACTTGCATCCTTAGGGAGGAAGCCAGGATGCCCAATC
 AACTGGGGGTGCTTTAAGGATAGGGTTGGAGTCATCCGAGCCTACAGCCCTGCTCCCCAGGGCAGAGACC
 CTTCCAGAGCCTACAGAACTTCGTCCACAGAAGCGGAAAAAGGGGCCAGCCCCAAAATGCTGGGGAACG
 AGCTATGCAGTGTATGTGGGACAAGGCCTCTGGCTTCCATTACAATGTGCTGAGCTGCGAGGGTGC
 GGGATTCTCCGCCGAGTGTCAAGGGAGCACGCTACATTTGCCATAGCGGTGGCCACTGCCCATG
 GACACCTACATGCGGCGGAAATGCCAGGAGTGTGCCTTCGAAATGCCGCCAGGCAGGCATGAGGGAGG
 AGTGTGCTTATCAGAAGAAGAGATCCGCTTGAAGAACTGAAGCGTCAAGAAGAGGAGCAGGCTCAAGC
 CACATCGGTGTCCCAAGGGTTTCTCACGCCCCAGGTCTGCCACAGCTCAGCCAGAACAAGTGGGC
 ATGATTGAGAAGTTGGTGGCTGCCAGCAACAGTGAACAGGCGCTCCTTCTCTGACCGACTTCGAGTCA
 CGCCTTGCCCATTCACCCGACCTCAGAGCCGGGAAGCCGCCAACAGCGCTTTGCCACTTTACTGA
 GCTGGCCATCGTGTCCGTGCAGGAGATTGTTGACTTTGCCAAACAGCTCCCTGGCTTCTACAGCTGAGC
 AGGGAGGACCAGATCGCCTTGTGAAGACCTCTGCGATCGAGGTGATGCTTCTGGAGACATCGCGGAGGT
 ACAACCTGGGAGTGAGAGCATCACCTTCTCAAGGATTCAGTTACAACCGGGAAGACTTTGCCAAAGC
 AGGGCTGCAGGTGGAGTTCATTAACCCCATCTTGAAGTCTCCAGATCCATGAATGAAGTCAACTCAAT
 GATGCTGAATTTGCTCTGCTCATAGCCATCAGCATCTTCTCTGCAGACCGGCCAACGTGCAGGACCAGC
 TCCAAGTAGAGAGACTGCAACACACATATGTGGAGGCCCTGCATGCCTATGTCTCCATCAACACCCCA
 CGACCGACTGATTTCCACGGATGCTAATGAAGCTGGTGAAGCTCCCGACTTTGAGCAGCGTCCATTCA
 GAGCAAGTGTTCGACTTCGCTGCAGGACAAAAAATTCCTCCCTCTGCTCTCCGAGATCTGGGATGTCC
 ACGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206478 representing NM_031627
 Red=Cloning site Green=Tags(s)

MSLWLEAAVPDVSPDSATELWKTEPQDAGDQGGNTCILREEARMPQSTGGALRIGLESSEPTALLPRAET
 LPEPTELRPQKRKKGPAKMLGNELCSVCGDKASGFHYNVLSCEGCKGFFRRSVIKGARYICHSGGHCPM
 DTYMRRKQCECLRKCRQAGMREECVLSEEQIRLKKLRQEEEAQATSVSPRVSSPPQVLPQLSPEQLG
 MIEKLVAAQQCNRRSFSDRLRVTPWPIAPDPQSRREARQRF AHFT ELAIVSVQEI VDFAKQLPGFLQLS
 REDQIALLKTS AIEVM LLET SRRYNP GSEITFLKDFSYNREDFAKAGLQVEFINPIFEFSRMNELQLN
 DAEFALLIAISIFSADRPVQDQLQVERLQHTYVEALHAYVSIINHPHDRLMFPRLMKLVSLRRLSSVHS
 EQVFALRLQDKKL PPLLSEIWDVHE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja3111_b09.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

ACCN: NM_031627

ORF Size: 1335 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 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](#)

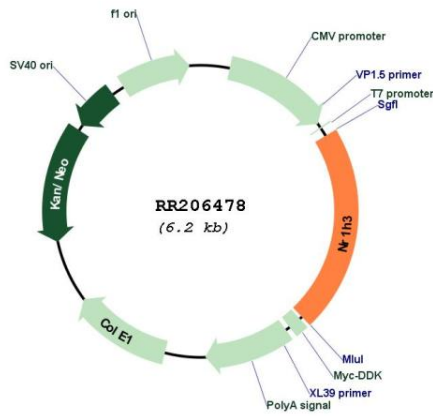
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_031627.2](#), [NP_113815.2](#)
 RefSeq Size: 1631 bp
 RefSeq ORF: 1338 bp
 Locus ID: 58852
 Cytogenetics: 3q24
 MW: 50.5 kDa
 Gene Summary: orphan receptor; involved in the stimulation of CYP7A1 transcription [RGD, Feb 2006]

Product images:



Circular map for RR206478