OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC215976

Nr1h3 (NM_001177730) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nr1h3 (NM_001177730) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nr1h3
Synonyms:	AU018371; LXR; RLD1; Unr1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Fully Sequenced ORF:

>MC215976 representing NM_001177730
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCTTGTGGCTGGAGGCCTCAATGCCTGATGTTTCTCCTGATTCTGCAACGGAGTTGTGGAAGACAG
AACCTCAAGATGCAGGAGACCAGGGAGGCAACACTTGCATCCTCAGGGAGGAAGCCAGGATGCCCCAGTC
AACTGGGGTTGCTTTAGGGATAGGGTTGGAGTCAGCAGAGCCTACAGCCCTGCTCCCCAGGGCAGAGACC
CTCCCAGAGCCGACAGAGCTTCGTCCACAAAAGCGGAAAAAGGGCCCAGCCCCCAAAATGCTGGGGAACG
AGCTGTGCAGTGTCTGTGGGGACAAAGCCTCTGGCTTCCATTACAACGTGCTGAGCTGCGAGGGCTGCAA
GGGATTCTTCCGCCGCAGTGTCATCAAGGGAGCACGCTATGTCTGCCACAGCGGTGGCCACTGCCCCATG
GACACCTACATGCGGCGGAAATGCCAGGAGTGTCGACTTCGCAAATGCCGCCAGGCAGGCATGAGGGAGG
AGTGTGTGCTGTCAGAAGAACAGATCCGCTTGAAGAAACTGAAGCGGCAAGAAGAGGAACAGGCTCAAGC
CACTTCGGTGTCCCCAAGGGTGTCCTCACCTCCTCAAGTCCTGCCACAGCTCAGCCCAGAGCAGCTGGGC
ATGATCGAGAAGCTGGTGGCTGCCCAGCAACAGTGTAACAGGCGCTCCTTCTCAGACCGCCTGCGCGTCA
CGCCTTGGCCCATTGCACCCGACCCTCAGAGCCGGGAAGCCCGACAACAGCGCTTTGCCCACTTTACTGA
GCTGGCCATCGTGTCCGTGCAGGAGATTGTTGACTTTGCCAAACAGCTCCCTGGCTTCCTACAGCTCAGC
AGGGAGGACCAGATCGCCTTGCTGAAGACCTCTGCAATCGAGGTCATGCTTCTGGAGACGTCACGGAGGT
ACAACCCCGGCAGTGAGAGCATCACCTTCCTCAAGGACTTCAGTTACAACCGGGAAGACTTTGCCAAAGC
AGGGCTGCAGGTGGAGTTCATCAACCCCATCTTTGAGTTCTCCAGAGCCATGAATGAGCTGCAACTCAAT
GATGCTGAGTTTGCTCTGCTCATTGCCATCAGCATCTTCTCTGCAGACCGGCCCAACGTGCAGGACCAGC
TCCAAGTAGAGAGGCTGCAACACACATATGTGGAGGCCCTGCACGCCTACGTCTCCATCAACCACCCCCA
CGACCCACTGATGTTCCCACGGATGCTAATGAAGCTGGTGAGCCTCCGTACTTTGAGCAGCGTCCATTCA
GAGCAAGTGTTTGCCCTTCGCCTGCAGGACAAAAAGCTTCCCCCTCTGCTGTCTGAGATCTGGGATGTCC
ACGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001177730

Insert Size: 1338 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.

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

RefSeq:	NM_001177730.1, NP_001171201.1
RefSeq Size:	1802 bp
RefSeq ORF:	1338 bp
Locus ID:	22259
UniProt ID:	Q9Z0Y9
Cytogenetics:	2 50.52 cM
Gene Summary:	Nuclear receptor that exhibits a ligand-dependent transcriptional activation activity (PubMed:18055760, PubMed:19520913, PubMed:20427281). Interaction with retinoic acid receptor (RXR) shifts RXR from its role as a silent DNA-binding partner to an active ligand-binding subunit in mediating retinoid responses through target genes defined by LXRES. LXRES are DR4-type response elements characterized by direct repeats of two similar hexanuclotide half-sites spaced by four nucleotides. Plays an important role in the regulation of cholesterol homeostasis, regulating cholesterol uptake through MYLIP-dependent ubiquitination of LDLR, VLDLR and LRP8. Interplays functionally with RORA for the regulation of genes involved in liver metabolism.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) contains a different segment for its 5' UTR, compared to variant 1. Variants 1, 2, and 3 all encode the same protein. 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.

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US