

Product datasheet for **MC227744**

Nr1h2 (NM_001285517) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nr1h2 (NM_001285517) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nr1h2
Synonyms:	A1194859; LXR; LXRβ; LXRbeta; LXRBSV; NER1; OR-1; RIP15; Unr; Unr2; UR
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC227744 representing NM_001285517
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTTCCCCACAAGTTCTCTGGACACTCCCGTGCCTGGGAATGGTTCTCCTCAGCCCAGTACCTCCG
 CCACGTACCCACTATTAAGGAAGAGGGGCAGGAGACTGATCCTCCTCCAGGCTCTGAAGGGTCCAGCTC
 TGCTACATCGTGGTCATCTTAGAGCCAGAGGATGAGCCTGAGCGCAAGCGGAAGAAGGGCCGGCCCCG
 AAGATGCTGGCCATGAGCTGTGCCGCTGTGCGGAGACAAGGCTTCGGGCTTCCACTACAACGTGCTCA
 GCTGTGAAGGCTGCAAAGGCTTCTCCGGCGCAGTGTGGTCCACGGTGGGGCCGGGCGCTATGCCTGTCG
 GGGCAGCGGAACCTGCCAGATGGATGCCTTCATGCGGCGCAAGTCCAGCTCTGCCGGCTGCGCAAGTGC
 AAGGAGGTGGCATGCGGGAGCAGTGCCTGCTCTGAGGAGCAGATTCGGAAGAAAAGGATTCAGAAGC
 AGCAACAGCAGCAGCCACCACCCCATCTGAGCCAGCAGCCAGCAGCTCAGGCCGGCCAGCGGCCTCCCC
 TGGCACTTCGGAAGCAAGCAGCCAGGGCTCCGGGAAGGAGAGGGCATCCAGCTGACCGCGGCTCAGGAG
 CTGATGATCCAGCAGTTAGTTGCCGCGCAGCTGCAAGTGAACAAACGATCTTTCTCCGACCAGCCAAAG
 TCACGCCCTGGCCCTGGGTGCAGACCCTCAGTCCCAGATGCCCGTCAGCAACGCTTTGCCCACTTCAC
 CGAGTAGCCATCATCTCGGTCCAGGAGATTGTGGACTTTGCCAAGCAGGTGCCAGGGTTCTTGCAAGTTC
 GGCCGGGAGGACCAGATCGCCCTCCTGAAGGCGTCCACCATTGAGATCATGTTGTAGAAACAGCCAGAC
 GCTACAACCACGAGACAGAATGCATCACGTTCTGAAGGACTTCACCTACAGCAAGGACGACTTCCACCG
 TGCAGGCTTGCAGGTGGAATTCATCAATCCCATCTTCGAGTTCTCGCGGGCCATGCGGCGGCTGGGCCTG
 CACGCGTGTGGAGGCCCTGCAGCAGCCCTACGTGGAGGGCGCTCCTCTCCTACACGAGGATCAAGCGCCC
 ACAGGACCAGCTCCGCTTCCCACGCATGCTCATGAAGCTGGTGAGCCTGCGCACCCCTCAGCTCCGTGCAC
 TGGGAGCAGGTCTTTCATTGCGACTCCAGGACAAGAAGCTGCCGCCCTTGTGTCCGAGATCTGGGATG
 TGCACGAG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001285517

Insert Size: 1341 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_001285517.1](#), [NP_001272446.1](#)

RefSeq Size: 2022 bp

RefSeq ORF: 1341 bp

Locus ID: 22260

UniProt ID: [Q60644](#)

Cytogenetics: 7 B3

Gene Summary: Nuclear receptor that exhibits a ligand-dependent transcriptional activation activity (PubMed:18055760, PubMed:19520913, PubMed:20427281). Binds preferentially to double-stranded oligonucleotide direct repeats having the consensus half-site sequence 5'-AGGTCA-3' and 4-nt spacing (DR-4) (PubMed:18055760, PubMed:19520913, PubMed:20427281). Regulates cholesterol uptake through MYLIP-dependent ubiquitination of LDLR, VLDLR and LRP8; DLDLR and LRP8 (PubMed:18055760, PubMed:19520913, PubMed:20427281). Interplays functionally with RORA for the regulation of genes involved in liver metabolism (PubMed:18055760, PubMed:19520913, PubMed:20427281). Plays an anti-inflammatory role during the hepatic acute phase response by acting as a corepressor: inhibits the hepatic acute phase response by preventing dissociation of the N-Cor corepressor complex (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same isoform (a).