

Product datasheet for **MC209056**

Nr1i2 (NM_001098404) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nr1i2 (NM_001098404) Mouse Untagged Clone
Tag: Tag Free
Symbol: Nr1i2
Synonyms: mPXR; PXR; PXR.1; PXR.2; PXR1; SXR
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209056 representing NM_001098404
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGACCTGAGGAGAGCTGGAGCCGAGTTGGCCTTGTACAGTGTGAAGAAGCAGACTCTGCCTTGAAG
 AGCCCATCAACGTAGAGGAGGAAGATGGAGTCTTCAAATCTGCCGTGTATGTGGGGACAAGGCCAATGG
 CTACCACCTCAATGTCATGACGTGTGAAGGATGCAAGGGTTTTTCAGAAGGGCCATGAAACGCAATGTC
 CGGCTGAGGTGCCCTTCCGCAAGGGAACCTGCGAGATCACCCGGAAGACACGACGGCAGTGCCAGGCCCT
 GCCGTTTTCGCAAGTGCCTGGAGAGTGGCATGAAGAAAGAGATGATCATGTCCGATGCCGCTGTGGAGCA
 GAGGCGGGCCTTGATCAAGAGGAAGAAGAGGGGAAAAGATTGAGGCTCCACCGCCTGGAGGGCAGGGGCTG
 ACGGAAGAACAGCAGGCGCTGATCCAGGAGCTGATGGACGCTCAGATGCAAACCTTTGACACAACCTTCT
 CCCACTTCAAGGATTTCCGGCTGCGCGGAGAAGACGGCAGCATCTGAACTACCAACCCCTTCCAAGAG
 CGACGGGAAAGAGATCATCCCTCTTCTGCCACACCTGGCCGATGTGTCAACCTACATGTTCAAGGGCGTC
 ATCAACTTCGCCAAAGTCATATCCTACTTTAGGGACCTGCCTATTGAGGACCAGATCTCCCTGCTGAAGG
 GGGCCACTTTTGAGATGTGCATCCTGAGGTTCAACACGATGTTTCGACACGGAAACGGGAACCTGGGAGTG
 CGGCCGGCTGGCTTACTGCTTCAAGACCTAATGGTGGCTTCCAGAACTTCTGTTGGATCCATTGATG
 AAATTCACCTGCATGCTGAAGAAGCTACAGCTGCATAAGGAGGAGTATGTGCTGATGCAGGCCATCTCCC
 TCTTCTCCCAGATCGTCTGGTGTGGTCCAGCGCAGCGTGGTAGACCAACTGCAGGAGAGGTTTGCCTT
 CACCCTGAAGGCCTACATTGAGTGTAGTCGGCCATATCCTGCTCACAGGTTCTGTTCTCTGAAGATCATG
 GCCGCTCTCACTGAGCTGCGAAGCATCAACGCCAGCAAACCCAGCAGTTGCTGCGCATCCAAGACTCGC
 ACCCTTTGCCACCCCACTCATGCAAGAGTTATTTAGCAGCACAGATGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul



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ACCN:	NM_001098404
Insert Size:	1173 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:	<ol style="list-style-type: none"> 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:	<u>NM_001098404.1, NP_001091874.1</u>
RefSeq Size:	2417 bp
RefSeq ORF:	1173 bp
Locus ID:	18171
UniProt ID:	<u>O54915</u>
Cytogenetics:	16 B3
Gene Summary:	<p>Nuclear receptor that binds and is activated by a variety of endogenous and xenobiotic compounds. Transcription factor that activates the transcription of multiple genes involved in the metabolism and secretion of potentially harmful xenobiotics, endogenous compounds and drugs. Response to specific ligands is species-specific, due to differences in the ligand-binding domain. Binds to a response element in the promoters of the CYP3A4 and ABCB1/MDR1 genes (By similarity). Activated by naturally occurring steroids such as pregnenolone and progesterone, the cholesterol metabolite 5-beta-cholestane-3-alpha,7-alpha,12-alpha-triol, synthetic glucocorticoids and antiglucocorticoids and 16-alpha-carbonitrile (PCN).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate, in-frame, downstream acceptor splice site at one of the coding exons compared to transcript variant 1, resulting in an isoform (2, also known as PXR.2) that is missing a 41 aa segment compared to isoform 1.</p>