

Product datasheet for **SC304984**

PXR (NR112) (NM_022002) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PXR (NR112) (NM_022002) Human Untagged Clone
Tag: Tag Free
Symbol: PXR
Synonyms: BXR; ONR1; PAR; PAR1; PAR2; PARq; PRR; PXR; SAR; SXR
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_022002 edited
 ATGACAGTCACCCAGGACTCACCACCTTCAAGGAGGGTCCCTCAGAGCACCTGCCATACCC
 CTGCACAGTGCTGCGGCTGAGTTGGCTTCAAACCATCCAAGAGGCCAGAAGCAAACCTG
 GAGGTGAGACCCAAAGAAAGCTGGAACCATGCTGACTTTGTACACTGTGAGGACACAGAG
 TCTGTTCCCTGGAAAGCCAGTGTCAACGCAGATGAGGAAGTCGGAGGTCCCCAAATCTGC
 CGTGATGTGGGACAAGGCCACTGGCTATCACTTCAATGTCATGACATGTGAAGGATGC
 AAGGGCTTTTTCAGGAGGGCCATGAAACGCAACGCCGGCTGAGGTGCCCTTCCGGAAG
 GGCGCCTGCGAGATCACCCGGAAGACCCGGCGACAGTGCCAGGCCTGCCGCCTGCGCAAG
 TGCTGGAGAGCGGCATGAAGAAGGAGATGATCATGTCCGACGAGGCCGTGGAGGAGAGG
 CGGGCCTTGATCAAGCGAAGAAAAGTGAACGGACAGGGACTCAGCCACTGGGAGTGCAG
 GGGCTGACAGAGGAGCAGCGGATGATGATCAGGGAGCTGATGGACGCTCAGATGAAAACC
 TTTGACACTACCTTCTCCCATTTCAAGAATTTCCGGCTGCCAGGGGTGCTTAGCAGTGGC
 TGCGAGTTGCCAGAGTCTCTGCAGGCCCATCGAGGGAAGAAGCTGCCAAGTGGAGCCAG
 GTCCGGAAGATCTGTGCTCTTTGAAGGTCTCTCTGCAGCTGCGGGGGGAGGATGGCAGT
 GTCTGGAATAACAACCCAGCCGACAGTGCCGGGAAAGAGATCTTCTCCCTGTGCC
 CACATGGCTGACATGTCAACCTACATGTTCAAAGGCATCATCAGCTTTGCCAAAGTCATC
 TCCTACTTCAGGGACTTGCCCATCGAGGACCAGATCTCCCTGTGAAGGGGGCCGCTTTC
 GAGCTGTGTCAACTGAGATTCAACACAGTGTTCACGCGGAGACTGGAACCTGGGAGTGT
 GGCCGGCTGCTCCTACTGCTTGGAAAGACTGCAGGTGGCTTCCAGCAACTCTACTGGAG
 CCCATGCTGAAATTCACACTACATGCTGAAGAAGCTGCAGCTGCATGAGGAGGAGTATGTG
 CTGATGCAGGCCATCTCCCTCTTCTCCCCAGACCGCCAGGTGTGCTGCAGCACCCGCTG
 GTGGACCAGTGCAGGAGCAATTCGCCATTACTCTGAAGTCTACATTGAATGCAATCGG
 CCCCAGCTGCTCATAGTTTCTTGTTCCTGAAGATCATGGCTATGCTCACCGAGCTCCGC
 AGCATCAATGCTCAGCACACCCAGCGGCTGCTGCGCATCCAGGACATACACCCCTTTGCT
 ACGCCCTCATGCAGGAGTTGTTCCGCATCACAGGTAGCTGAGCGGCTGCCCTTGGGTGA
 CACCTCCGAGAGGCAGCCAGACCAGGCCCTCTGAGCCGCCACTCCCGGCCAAGACAG
 ATGGACTGCCAAGAGCCGACAATGCCCTGCTGGCCTGTCT



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_022002 unedited GGGATTGTATACGACTCCTATAGGGCGGCCGGAATTCATGACAGTCACCAGGACTCACC ACTTCAAGGAGGGTCCCTCAGAGCACCTGCCATACCCCTGCACAGTGCTGCGGCTGAGT TGGCTTCAAACCATCCAAGAGGCCCAGAAGCAAACCTGGAGGTGAGACCCAAAGAAAGCT GGAACCATGCTGACTTTGTACTGTGAGGACACAGAGTCTGTTCTGAAAGCCAGTG TCAACGCAGATGAGGAAGTCGGAGTCCCAAATCTGCCGTGTATGTGGGACAAGGCCA CTGGCTATCACTTCAATGTCATGACATGTGAAGGATGCAAGGGCTTTTTCAGGAGGGCCA TGAAACGCAACGCCGGCTGAGGTGCCCTTCCGGAAGGGCGCCTGCGAGATCACCCGGA AGACCCGCGCAGAGTCCAGGCCTGCCCTGCCCAAGTGCCTGGAGAGCGGCATGAAGA AGGAGATGATCATGTCCGACGAGGCCGTGGAGGAGAGGGCGGCCTTGATCAAGCGGAAGA AAAGTGAACGGACAGGGACTCAGCCACTGGGAGTGCAGGGGCTGACAGAGGAGCAGCGGA TGATGATCAGGGAGCTGATGGACGCTCAGATGAAAACCTTTGACACTACCTTCTCCCATT TCAAGAATTTCCGGCTGCCAGGGTGCTTAGCAGTGGCTGCGAGTTGCCAGAGTCTCTGC AGCCCCATCGAGGGAAGAAGCTGCCAAGTGGAGCCAGGTCGGAAAGATCTGTGCTTTT GAAGGTCTCTCTGAGCTGCCGGGGAGGATGGCAGTGTCTGGAATAACAACCCCGACC GACAGTGGCGGGAAGAGATCTCTCTGCTGCCACATGGCTGACATGTACCTACATGT TCAAGCATCATCAGCTTGCCAAGTCATCTCCTACTTCAGGACTGCCCATCGAGGAACAAG AATCCTCCCTGCTGAAGGGGGCCGCTTTC
Restriction Sites:	Please inquire
ACCN:	NM_022002
Insert Size:	1422 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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_022002.2</u> , <u>NP_071285.1</u>
RefSeq Size:	2772 bp
RefSeq ORF:	1422 bp
Locus ID:	8856
UniProt ID:	<u>O75469</u>
Cytogenetics:	3q13.33

Protein Families: Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Gene Summary: This gene product belongs to the nuclear receptor superfamily, members of which are transcription factors characterized by a ligand-binding domain and a DNA-binding domain. The encoded protein is a transcriptional regulator of the cytochrome P450 gene CYP3A4, binding to the response element of the CYP3A4 promoter as a heterodimer with the 9-cis retinoic acid receptor RXR. It is activated by a range of compounds that induce CYP3A4, including dexamethasone and rifampicin. Several alternatively spliced transcripts encoding different isoforms, some of which use non-AUG (CUG) translation initiation codon, have been described for this gene. Additional transcript variants exist, however, they have not been fully characterized. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) encodes the longest isoform (2) and initiates translation from the standard AUG codon present in its 5' terminal exon.