

## Product datasheet for **RG215094**

### PXR (NR112) (NM\_033013) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PXR (NR112) (NM\_033013) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** PXR  
**Synonyms:** BXR; ONR1; PAR; PAR1; PAR2; PARq; PRR; PXR; SAR; SXR  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG215094 representing NM\_033013  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

CTGGAGGTGAGACCCAAAGAAAGCTGGAACCATGCTGACTTTGTACACTGTGAGGACACAGAGTCTGTTC  
 CTGAAAGCCAGTGTCAACGCAGATGAGGAAGTCGGAGGTCCCAAATCTGCCGTGTATGTGGGGACAA  
 GGCCACTGGCTATCACTTCAATGTCATGACATGTGAAGGATGCAAGGGCTTTTTTCAGGAGGGCCATGAAA  
 CGCAACGCCCGGCTGAGGTGCCCTTCCGGAAGGGCGCCTGCGAGATCACCCGGAAGACCCGGCGACAGT  
 GCCAGGCCTGCCCTGCGCAAGTGCCTGGAGAGCGGCATGAAGAAGGAGATGATCATGTCCGACGAGGC  
 CGTGGAGGAGAGGCGGGCCTTGATCAAGCGGAAGAAAAGTGAACGGACAGGGACTCAGCCACTGGGAGTG  
 CAGGGGCTGACAGAGGAGCAGCGGATGATGATCAGGGAGCTGATGGACGCTCAGATGAAAACCTTTGACA  
 CTACCTTCTCCATTTCAAGAAATTCGGGTCTCTCTGCAGCTGCGGGGGGAGGATGGCAGTGTCTGGAA  
 CTACAAACCCCGACCGACAGTGGCGGAAAGAGATCTTCTCCCTGCTGCCCCACATGGCTGACATGTCA  
 ACCTACATGTTCAAAGGCATCATCAGCTTTGCCAAAGTCATCTCCTACTTCAGGGACTTGCCCATCGAGG  
 ACCAGATCTCCCTGCTGAAGGGGGCCGCTTTCGAGCTGTGTCAACTGAGATTCAACACAGTGTTCACCGC  
 GGAGACTGGAACCTGGGAGTGTGGCCGGCTGTCTACTGCTTGAAGACACTGCAGGTGGCTTCCAGCAA  
 CTTCTACTGGAGCCCATCTCCCTCTTCTCCAGACCGCCAGGTGTGCTGCAGCACCCGCTGGTGACCA  
 GCTGCAGGAGCAATTCGCCATTACTCTGAAGTCTACATTGAATGCAATCGGCCCCAGCCTGCTCATAGG  
 TTCTTGTCTGAAGATCATGGCTATGCTCACCGAGCTCCGAGCATCAATGCTCAGCACACCCAGCGGC  
 TGCTGCGCATCCAGGACATACACCCCTTGCTACGCCCTCATGCAGGAGTTGTTCCGGCATCACAGGTAG  
 C

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG215094 representing NM\_033013  
 Red=Cloning site Green=Tags(s)

LEVRPKESWNHADVFVHCEDTESVPGKPSVNADEEVGGPQICRVCGDKATGYHFNVMTCEGCKGFFRRAMK  
 RNARLRCPFRKGACEITRKTRRQCQACRLRKCLESGMKKEMIMSDEAVEERRALIKRKSERTGTQPLGV  
 QGLTEEQRMIRELMDAQMKTFDITTFSHFKNFRVSLQLRGEDGSVWNYKPPADSGGKEIFSLLPHMADMS  
 TYMFKGIISFAKVISYFRDLPIEDQISLLKGAFAFELCQLRFNTVFNAETGTWECGRLSYCLEDTAGGFQQ  
 LLLLEPMLKFHYMLKKLQLHEEEYVLMQATISLFSFDRPGVLQHRVVDQLQEQAIFLTKSYIECNRPQPAHR  
 FLFLKIMAMLTELRINAQHTQRLRLRIQDIHPFATPLMQELFGITGS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_033013

**ORF Size:** 1191 bp

**OTI Disclaimer:** 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\\_033013.2](#), [NP\\_148934.1](#)

**RefSeq Size:** 4335 bp

**RefSeq ORF:** 1194 bp

**Locus ID:** 8856

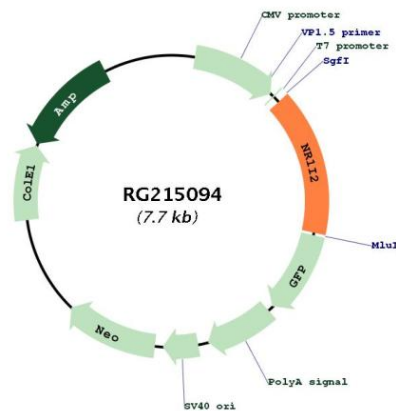
**UniProt ID:** [O75469](#)

**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]

### Product images:



Circular map for RG215094