

Product datasheet for RC215094

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:	Myc-DDK
Symbol:	PXR
Synonyms:	BXR; ONR1; PAR; PAR1; PAR2; PARq; PRR; PXR; SAR; SXR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC215094 representing NM_033013 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

CTGGAGGTGAGACCCAAAGAAAGCTGGAACCATGCTGACTTTGTACACTGTGAGGACACAGAGTCTGTTC
CTGAAAGCCAGTGTCAACGCAGATGAGGAAGTCGGAGGTCCCAAATCTGCCGTGTATGTGGGGACAA
GGCCACTGGCTATCACTTCAATGTCATGACATGTGAAGGATGCAAGGGCTTTTTTCAGGAGGGCCATGAAA
CGCAACGCCCGGCTGAGGTGCCCTTCCGGAAGGGCGCCTGCGAGATCACCCGGAAGACCCGGCGACAGT
GCCAGGCTGCCCTGCGCAAGTGCCTGGAGAGCGGCATGAAGAAGGAGATGATCATGTCCGACGAGGC
CGTGGAGGAGAGGCGGGCCTTGATCAAGCGGAAGAAAAGTGAACGGACAGGGACTCAGCCACTGGGAGTG
CAGGGGCTGACAGAGGAGCAGCGGATGATGATCAGGGAGCTGATGGACGCTCAGATGAAAACCTTTGACA
CTACCTTCTCCATTTCAAGAAATTCGGGTCTCTCTGCAGCTGCGGGGGGAGGATGGCAGTGTCTGGAA
CTACAAACCCCGACCGACAGTGGCGGAAAGAGATCTTCTCCCTGCTGCCACATGGCTGACATGTCA
ACCTACATGTTCAAAGGCATCATCAGCTTTGCCAAAGTCATCTCCTACTTCAGGGACTTGCCCATCGAGG
ACCAGATCTCCCTGCTGAAGGGGGCCGCTTTCGAGCTGTGTCAACTGAGATTCAACACAGTGTTCACCGC
GGAGACTGGAACCTGGGAGTGTGGCCGGCTGTCTACTGCTTGAAGACACTGCAGGTGGCTTCCAGCAA
CTTCTACTGGAGCCATCTCCCTTCTCCAGACCGCCAGGTGTGCTGCAGCACCGCGTGGTGGACCA
GCTGCAGGAGCAATTCGCCATTACTCTGAAGTCTACATTGAATGCAATCGGCCCCAGCCTGCTCATAGG
TTCTTGTCTGAAGATCATGGCTATGCTCACCAGCTCCGACGATCAATGCTCAGCACACCCAGCGGC
TGCTGCGCATCCAGGACATACACCCCTTGCTACGCCCTCATGCAGGAGTTGTTCCGCATCACAGGTAG
C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC215094 representing NM_033013
 Red=Cloning site Green=Tags(s)

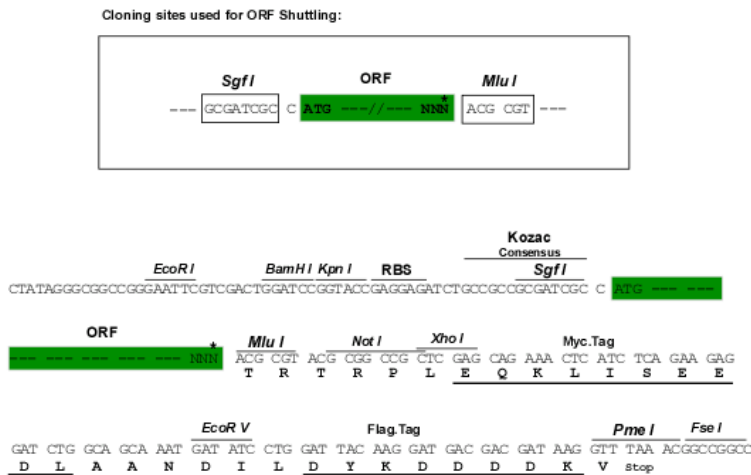
LEVRPKESWNHADVFHCEDTESVPGKPSVNADEEVGGPQICRVCGDKATGYHFNVMTCEGCKGFFRRAMK
 RNARLRCPFRKGACEITRKTRRQCQACRLRKCLESGMKKEMIMSDEAVEERRALIKRKKCERTGTQPLGV
 QGLTEEQRMIRELMDAQMKTFDITTFSHFKNFRVSLQLRGEDGSVWNYKPPADSGGKEIFSLLPHMADMS
 TYMFKGIISFAKVISYFRDLPIEDQISLLKGAFAFELCQLRFNTVFNAETGTWECGRLSYCLEDTAGGFQQ
 LLLLEPMLKFHYMLKQLLHEEEYVLMQAIISLFSFDRPGVLQHRVVDQLQEQAIFLTKSYIECNRPQPAHR
 FLFLKIMAMLTELRINAQHTQRLRLRIQDIHPFATPLMQELFGITGS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8057_b06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

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](#)

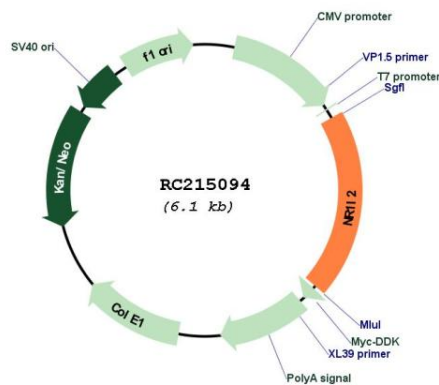
Cytogenetics: 3q13.33

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

MW: 45.6 kDa

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 RC215094