

## Product datasheet for PH305691

### PXR (NR112) (NM\_003889) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	NR112 MS Standard C13 and N15-labeled recombinant protein (NP_003880)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205691
Predicted MW:	49.6 kDa
Protein Sequence:	>RC205691 representing NM_003889 Red=Cloning site Green=Tags(s)  <p>AIAXEVRPKESWNHADVFVHCEDTESVPGKPSVNADEEVGGPQICRVCGDKATGYHFNVMTCEGCKGFFRR AMKRNARLRCPFRKGACEITRKTRRQCQACRLRKCLESGMKKEMIMSDEAVEERRALIKRKSERTGTQP LGVQGLTEEQRMIRELMDAQMKTFDTTFSHFKNFRPGVLSGGCELPESLQAPSREEAAKWSQVRKDLCS LKVSLQLRGEDGSVWNYKPPADSGGKEIFSLPHMADMSTYMFKGIISFAKVISYFRDLPIDQISLLKG AAFELCQLRFNTVFNAETGTWECGRLSYCLEDTAGGFQQLLEPMLKFHYMLKKLQLHEEYVLMQAIISL FSPDRPGVLQHRVVDQLQEFAITLKSYLECNRPPAHRFLFLKIMAMLTLSINAQHTQRLRLRIQDIH PFATPLMQELFGITGS</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_003880</a></u>
RefSeq Size:	4446
RefSeq ORF:	1299
Synonyms:	BXR; ONR1; PAR; PAR1; PAR2; PARq; PRR; PXR; SAR; SXR



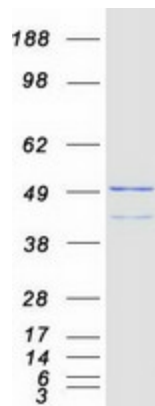
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Locus ID: 8856  
UniProt ID: [O75469](#)  
Cytogenetics: 3q13.33

**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]

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

### Product images:



Coomassie blue staining of purified NR1I2 protein (Cat# [TP305691]). The protein was produced from HEK293T cells transfected with NR1I2 cDNA clone (Cat# [RC205691]) using MegaTran 2.0 (Cat# [TT210002]).