

Product datasheet for TP305691L

PXR (NR1I2) (NM_003889) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human nuclear receptor subfamily 1, group I, member 2 (NR1I2), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205691 representing NM_003889 Red=Cloning site Green=Tags(s)

AIAXEVRPKESWNHADVFHCEDTESVPGKPSVNADEEVGGPQICRVCGDKATGYHFNVMTCEGCKGFFRR
AMKRNARLRCPFRKGACEITRKRTRRQCACRLRKCLESGMKKEMIMSDEAVEERRALIKRKKSSERTGTQP
LGVQGLTEEQRMMIRELMDAQMKTFDITFSHFKNFRPGVLSSGCELPESLQAPSREEAAKWSQVRKDLCS
LKVSLQLRGEDGSVWNYKPPADSGGKEIFSLPHMADMSTYMFKGIISFAKVISYFRDLPIEDQISLLKG
AAFELCQLRFNTVFNAETGTWECGRLSYCLEDTAGGFQQLLEPMLKFHYMLKQLHEEEYVLMQAISL
FSPDRPGVLQHRVDQLQEQAIFAILKSYIECNRQPAPHRFLFLKIMAMLTELSINAQHTQRLLRIQDIH
PFATPLMQELFGITGS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	49.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



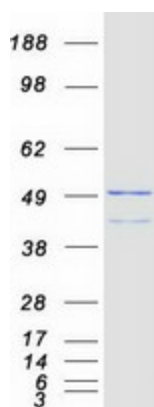
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RefSeq:	NP_003880
Locus ID:	8856
UniProt ID:	O75469
RefSeq Size:	4446
Cytogenetics:	3q13.33
RefSeq ORF:	1299
Synonyms:	BXR; ONR1; PAR; PAR1; PAR2; PARq; PRR; PXR; SAR; SXR

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]).