

## Product datasheet for **TL501507V**

### Nr1i2 Mouse shRNA Lentiviral Particle (Locus ID 18171)

#### Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	Nr1i2 Mouse shRNA Lentiviral Particle (Locus ID 18171)
Locus ID:	18171
Synonyms:	mPXR; PXR; PXR.1; PXR.2; PXR1; SXR
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	Nr1i2 - Mouse shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10 <sup>7</sup> TU/ml.
RefSeq:	<a href="#">BC120796</a> , <a href="#">NM_001098404</a> , <a href="#">NM_010936</a> , <a href="#">NM_010936.1</a> , <a href="#">NM_010936.2</a> , <a href="#">NM_010936.3</a> , <a href="#">NM_001098404.1</a> , <a href="#">BC137780</a>
UniProt ID:	<a href="#">O54915</a>
Summary:	Nuclear receptor that binds and is activated by a variety of endogenous and xenobiotic compounds. Transcription factor that activates the transcription of multiple genes involved in the metabolism and secretion of potentially harmful xenobiotics, endogenous compounds and drugs. Response to specific ligands is species-specific, due to differences in the ligand-binding domain. Binds to a response element in the promoters of the CYP3A4 and ABCB1/MDR1 genes (By similarity). Activated by naturally occurring steroids such as pregnenolone and progesterone, the cholesterol metabolite 5-beta-cholestane-3-alpha,7-alpha,12-alpha-triol, synthetic glucocorticoids and antiglucocorticoids and 16-alpha-carbonitrile (PCN).[UniProtKB/Swiss-Prot Function]
shRNA Design:	These shRNA constructs were designed against multiple splice variants at this gene locus. To be certain that your variant of interest is targeted, please contact <a href="mailto:techsupport@origene.com">techsupport@origene.com</a> . If you need a special design or shRNA sequence, please utilize our <a href="#">custom shRNA service</a> .



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**Performance  
Guaranteed:**

OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. Western Blot data is recommended over qPCR to evaluate the silencing effect of the shRNA constructs 72 hrs post transfection. To properly assess knockdown, the gene expression level from the included scramble control vector must be used in comparison with the target-specific shRNA transfected samples.

For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at [techsupport@origene.com](mailto:techsupport@origene.com). Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).