

# Recombinant Full Length Human NR1I2 Protein, GST-tagged

**Cat. No.** NR1I2-6702HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human NR1I2 full-length ORF ( NP_003880.3, 1 a.a. - 434 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	434 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	76.2 kDa
<b>AA Sequence</b>	MEVRPKESWNHADFDVHCEDTESVPGKPSVNADEEVGGPQICRVCGDKATGYHFNV MTCEGCKGFFRRAMKRNARLRCPFRKGACEITRKTRRQCQACRLRKCLESGMKKE MIMSDEAVEERRALIKRKKSSERTGTQPLGVQGLTEEQRMMIRELMDAQMKTFFDTTF

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SHFKNFRLPGVLSSGCELPESLQAPSREEAAKWSQVRKDLCSLKVSLQLRGEDGSV  
 WNYKPPADSGGKEIFSLPHMADMSTYMFKGIISFAKVISYFRDLPIEDQISLLKGAAF  
 ELCQLRFNTVFNAETGTWECGRLSYCLEDTAGGFQQLLEPMLKFHYMLKKLQLHE  
 EEYVLMQAISLFPDRPGVLQHRVVDQLQEQAIFLTKSYIECNRPPAHRFLFLKIMA  
 MLTELR SINAQHTQRLLRIQDIHPFATPLMQELFGITGS

**Applications**  
 Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes** Best use within three months from the date of receipt of this protein.

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** [NR1I2 nuclear receptor subfamily 1, group I, member 2 \[ Homo sapiens \]](#)

**Official Symbol** [NR1I2](#)

**Synonyms** NR1I2; nuclear receptor subfamily 1, group I, member 2; nuclear receptor subfamily 1 group I member 2; BXR; ONR1; PAR2; PXR; SXR; pregnane X receptor; orphan nuclear receptor PXR; orphan nuclear receptor PAR1; steroid and xenobiotic receptor; pregnane X nuclear receptor variant 2; PAR; PRR; SAR; PAR1; PARq;

**Gene ID** [8856](#)

**mRNA Refseq** [NM\\_003889](#)

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<b>Protein Refseq</b>	<a href="#">NP_003880</a>
<b>MIM</b>	<a href="#">603065</a>
<b>UniProt ID</b>	<a href="#">O75469</a>

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