Recombinant Full Length Human NR1I2 Protein, C-Flag-tagged

Cat. No. NR1I2-781HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human NR1I2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	49.6 kDa
AA Sequence	AIAXEVRPKESWNHADFVHCEDTESVPGKPSVNADEEVGGPQICRVCGDKATGYH FNVMTCEGCKGFFRR AMKRNARLRCPFRKGACEITRKTRRQCQACRLRKCLESG MKKEMIMSDEAVEERRALIKRKKSERTGTQP LGVQGLTEEQRMMIRELMDAQMKT FDTTFSHFKNFRPGVLSSGCELPESLQAPSREEAAKWSQVRKDLCS LKVSLQLRGE

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

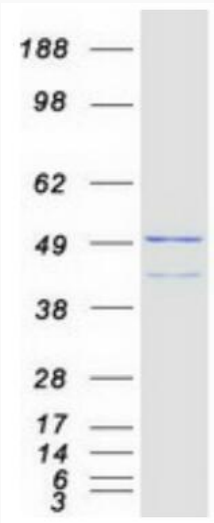
	DGSVWNYKPPADSGGKEIFSLLPHMADMSTYMFKGIISFAKVISYFRDLPIEDQISLLK G AAFELCQLRFNTVFNAETGTWECGRLSYCLEDTAGGFQQLLLEPMLKFHYMLKKL QLHEEEYVLMQAISL FSPDRPGVLQHRVVDQLQEQFAITLKSYIECNRPQPAHRFLF LKIMAMLTELRSINAQHTQRLLRIQDIH PFATPLMQELFGITGSTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
Full Length	Full L.

GENE INFORMATION

Gene Name	NR1I2 nuclear receptor subfamily 1 group I member 2 [Homo sapiens (human)]
Official Symbol	NR1I2
Synonyms	BXR; PAR; PRR; PXR; SAR; SXR; ONR1; PAR1; PAR2; PARq
Gene ID	8856

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mRNA Refseq	NM_003889.4
Protein Refseq	NP_003880.3
MIM	603065
UniProt ID	O75469



Coomassie blue staining of purified NR1I2 protein.

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