

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	AIXEVRPKESWNHADDFVHCEDTESVPGKPSVNADEEVGGPQICRVCGDKATGYH FNVMTCEGCKGFFRR AMKRNARLRCPFRKGACEITRKRTRRQCQACRLRKCLESG MKKEMIMSDEAVEERRALIKRKKsertGTQP LGVQGLTEEQRMMIRELMDAQMKT FDTTFSHFKNFRPGVLSSGCELPESLQAPSREEAAKWSQVRKDLCS LKVSLQLRGE

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DGSVWNYKPPADSGGKEIFSLPHMADMSTYMFKGIISFAKVISYFRDLPIEDQISLLK
 G AAFELCQLRFNTVFNAETGTWECGRLSYCLEDTAGGFQQLLLEPMLKFHYMLKKL
 QLHEEEYVLMQAISL FSPDRPGVLQHRVVDQLQEQAIFAILKSYIECNRPQPAHRFLF
 LKIMAMLTELR SINAQHTQRLLRIQDIH
 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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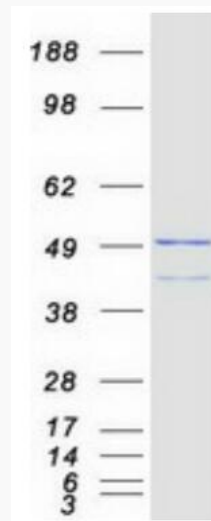
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mRNA Refseq [NM_003889.4](#)

Protein Refseq [NP_003880.3](#)

MIM [603065](#)

UniProt ID [O75469](#)



Coomassie blue staining of purified NR112 protein.

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