Recombinant Human NR1I2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NR1I2-3925H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NR1I2 MS Standard C13 and N15-labeled recombinant protein (NP_003880) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	49.6 kDa
AA Sequence	Tags(s)AIAXEVRPKESWNHADFVHCEDTESVPGKPSVNADEEVGGPQICRVCGDK ATGYHFNVMTCEGCKGFFRRAMKRNARLRCPFRKGACEITRKTRRQCQACRLRKC LESGMKKEMIMSDEAVEERRALIKRKKSERTGTQPLGVQGLTEEQRMMIRELMDAQ MKTFDTTFSHFKNFRPGVLSSGCELPESLQAPSREEAAKWSQVRKDLCSLKVSLQL

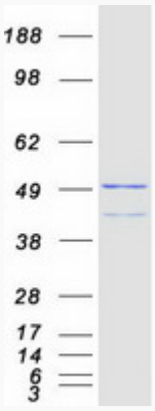
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	RGEDGSVWNYKPPADSGGKEIFSLLPHMADMSTYMFKGIISFAKVISYFRDLPIEDQI SLLKGAAFELCQLRFNTVFNAETGTWECGRLSYCLEDTAGGFQQLLLEPMLKFHYM LKKLQLHEEEYVLMQAISLFSPDRPGVLQHRVVDQLQEQFAITLKSYIECNRPQPAH RFLFLKIMAMLTELRSINAQHTQRLLRIQDIHPFATPLMQELFGITGSTRTRPLEQKLIS EEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	NR1I2 nuclear receptor subfamily 1 group I member 2 [Homo sapiens (human)]
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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Protein Refseq	NP_003880
MIM	603065
UniProt ID	O75469
SDS-PAGE	

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