



# Recombinant Human Nuclear receptor subfamily 1 group I member 2 (NR1I2)

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| <b>Product Code</b>      | CSB-EP016048HU-B  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | O75469  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MEVRPKESWN HADFVHCEDT ESVPGKPSVN ADEEVGGPQI<br>CRVCGDKATG YHFNVMTCEG CKGFFRRAMK RNARLRCPFR KGACEITRKT<br>RRQCQACRLR KCLESGMKKE MIMSDEAVEE RRALIKRKKS ERTGTQPLGV<br>QGLTEEQRMM IRELMDAQMK TFDTTFSHFK NFRLPGVLSS GCELPESLQA<br>PSREEAAKWS QVRKDLCSLK VSLQLRGEDG SVWNYKPPAD SGGKEIFSLL<br>PHMADMSTYM FKGIIISFAKV ISYFRDLPIE DQISLLKGAA FELCQLRFNT<br>VFNAETGTWE CGRLSYCLED TAGGFQQLLL EPMLKFHYML KKLQLHEEEY<br>VLMQAISLFS PDRPGVLQHR VVDQLQEQA ITLKSIECN RPQPAHRFLF<br>LKIMAMLTEL RSINAQHTQR LLRIQDIHPF ATPLMQELFG ITGS  |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | NR1I2   |
| <b>Protein Names</b>     | Recommended name: Nuclear receptor subfamily 1 group I member 2<br>Alternative name(s): Orphan nuclear receptor PAR1 Orphan nuclear receptor<br>PXR Pregnane X receptor Steroid and xenobiotic receptor Short name= SXR   |
| <b>Expression Region</b> | 1-434   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | Full length protein   |
| <b>Target Details</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. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a  |



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.