



# Recombinant Rat Nuclear receptor subfamily 1 group I member 2 (Nr1i2)

<b>Product Code</b>	CSB-EP889932RA-B
<b>Abbreviation</b>	Nr1i2
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q9R1A7
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MRPEERWNHV GLVQREEADS VLEEPINVDE EDGGLQICRV CGDKANGYHF NVMTCEGCKG FFRRAMKRNV RLRCPFRKGT CEITRKTRRQ CQACRLRKCL ESGMKKEMIM SDAAVEQRRRA LIKRKKREKI EAPPPGGQGL TEEQQALIQE LMDAQMOTFD TTFSHFKDFR LPAVFHSDCE LPEVLQASLL EDPATWSQIM KDSVPMKISV QLRGEDGSIW NYQPPSKSDG KEIIPLLPHL ADVSTYMFKG VINFAKVISH FRELPIEDQI SLLKGATFEM CILRFNTMFD TETGTWECGR LAYCFEDPNG GFQKLLLDPL MKFHCMLKKL QLREEEYVLM QAISLFSPDR PGVVQRSVVD QLQERFALTL KAYIECSRPY PAHRFLFLKI MAVLTELRSI NAQQTQQLLR IQDTHPFATP LMQELFSSTD G
<b>Source</b>	E.coli
<b>Target Names</b>	Nr1i2
<b>Protein Names</b>	Recommended name: Nuclear receptor subfamily 1 group I member 2 Alternative name(s): Orphan nuclear receptor PXR Pregnane X receptor
<b>Expression Region</b>	1-431
<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.

---

**Reconstitution**

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.

---

**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.