

Datasheet for ABIN7562442  
**NR1I2 Protein (AA 1-431) (His tag)**



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## Overview

Quantity:	1 mg
Target:	NR1I2
Protein Characteristics:	AA 1-431
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NR1I2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Nr1i2 Protein expressed in mammalian cells.
Sequence:	MRPEESWSRV GLVQCEEADS ALEEPINVEE EDGGLQICRV CGDKANGYHF NVMTCEGCKG FFRRAMKRNV RLRCPFRKGT CEITRKTRRQ CQACRLRKCL ESGMKKEMIM SDAAVEQRRR LIKRRKKREKI EAPPPGGQGL TEEQQALIQE LMDAQMOTFD TTFSHFKDFR LPAVFHSGCE LPEFLQASLL EDPATWSQIM KDRVPMKISL QLRGEDGSIW NYQPPSKSDG KEIIPLLPHL ADVSTYMFKG VINFAKVISY FRDLPIEDQI SLLKGATFEM CILRFNTMFD TETGTWECGR LAYCFEDPNG GFQKLLLDPL MKFHCMKKL QLHKEEYVLM QAISLFSPDR PGVVQRSVVD QLQERFALTL KAYIECSRPY PAHRFLFLKI MAVLTELSI NAQQTQQLL IQDSHPFATP LMQELFSSTD G <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

## Product Details

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### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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### Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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### Grade:

custom-made

## Target Details

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### Target:

NR1I2

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### Alternative Name:

Nr1i2 ([NR1I2 Products](#))

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### Background:

Nuclear receptor subfamily 1 group I member 2 (Orphan nuclear receptor PXR) (Pregnane X receptor),FUNCTION: Nuclear receptor that binds and is activated by a variety of endogenous and xenobiotic compounds. Transcription factor that activates the transcription of multiple genes involved in the metabolism and secretion of potentially harmful xenobiotics, endogenous compounds and drugs. Response to specific ligands is species-specific, due to differences in the ligand-binding domain. Binds to a response element in the promoters of the CYP3A4 and ABCB1/MDR1 genes (By similarity). Activated by naturally occurring steroids such as pregnenolone and progesterone, the cholesterol metabolite 5-beta-cholestane-3-alpha,7-alpha,12-alpha-triol, synthetic glucocorticoids and antiglucocorticoids and 16-alpha-carbonitrile (PCN). {ECO:0000250, ECO:0000269|PubMed:12569201, ECO:0000269|PubMed:19297428}.

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### Molecular Weight:

49.6 kDa

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### UniProt:

[O54915](#)

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## Target Details

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Pathways: [Nuclear Receptor Transcription Pathway](#), [Steroid Hormone Mediated Signaling Pathway](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months