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Datasheet for ABIN2669415 NR1H4 Protein (His tag)

Overview

Quantity:	10 µg
Target:	NR1H4
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NR1H4 protein is labelled with His tag.
Application:	Protein Interaction (PI)

Product Details

Characteristics:	Recombinant FXR is isolated from an E. coli strain that carries the coding sequence of the human FXR under the control of a T7 promoter (accession number U68233). The purified recombinant protein has an amino terminal polyhistidine tag and is greater than 90 % homogeneous and contains no detectable protease, DNase and RNase activity.
Purity:	The purified recombinant protein has an amino terminal polyhistidine tag and is greater than 90 % homogeneous and contains no detectable protease, DNase and RNase activity.

Target Details

Target:	NR1H4
Alternative Name:	FXR (NR1H4 Products)
Background:	The farnesoid X receptor (FXR) or nuclear receptor subfamily 1, group H, member 4 (NR1H4) is a nuclear receptor that, when activated, translocates to the nucleus where it interacts with

Target Details

certain proteins, including RXR and PPARGC1A, forming heterodimers that bind to hormone response elements on DNA and modulate gene expression. One of the primary functions of FXR is to suppress bile acid synthesis when levels are high by inhibiting the transcription of cholesterol 7 alpha-hydroxylase (CYP7A1) gene that expresses CYP7A1, the rate-limiting enzyme in bile acid synthesis from cholesterol.

Pathways: [Nuclear Receptor Transcription Pathway](#), [Steroid Hormone Mediated Signaling Pathway](#), [Regulation of Carbohydrate Metabolic Process](#)

Application Details

Application Notes: Recombinant FXR is suitable for DNA and protein-protein interaction assays. 20 ng is sufficient for gelshift assays and 100 ng is sufficient for protein-protein interaction studies. The molecular weight of the protein is ~55 kDa. NOTE: The presence of Poly [d(I-C)] in buffers may affect protein functionality and should be avoided.

Restrictions: For Research Use only

Handling

Concentration: 0.1 µg/µL