

Recombinant Human NR1H4, His-tagged

Cat. No. NR1H4-26712TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human Bile Acid Receptor NR1H4 with His tag, Predicted MWt 56kDa.
Species	Human
Source	E.coli
Description	This gene encodes a ligand-activated transcription factor, which shares structural features in common with nuclear hormone receptor family, such as a DNA-binding domain that targets the receptor to specific DNA sequences, and a ligand-binding domain, which interacts directly with the ligand and contains a ligand-dependent transcriptional activation domain. This protein functions as a receptor for bile acids, and when bound to bile acids, regulates the expression of genes involved in bile acid synthesis and transport. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.
Conjugation	HIS
Biological activity	1 unit equals 1 nanogram purified protein.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20% Glycerol, 20mM Tris HCl, 100mM Potassium

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chloride, 1mM DTT, 0.2mM EDTA, pH 8.0

Storage

Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

Sequence Similarities

Belongs to the nuclear hormone receptor family. NR1 subfamily. Contains 1 nuclear receptor DNA-binding domain.

Full Length

Full L.

GENE INFORMATION

Gene Name

NR1H4 nuclear receptor subfamily 1, group H, member 4 [Homo sapiens]

Official Symbol

NR1H4

Synonyms

NR1H4; nuclear receptor subfamily 1, group H, member 4; bile acid receptor; FXR; HRR 1; HRR1; RIP14;

Gene ID

9971

mRNA Refseq

NM_001206977

Protein Refseq

NP_001193906

MIM

603826

Uniprot ID

Q96R11

Chromosome Location

12q23.1

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Pathway

Bile secretion, organism-specific biosystem; Bile secretion, conserved biosystem; Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; Nuclear Receptor transcription pathway, organism-specific biosystem;

Function

ligand-dependent nuclear receptor activity; metal ion binding; protein binding; receptor activity; sequence-specific DNA binding;

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