

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	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	Q96RI1
Chromosome Location	12q23.1

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA