

Recombinant Full Length Human NR1H4 Protein, GST-tagged

Cat. No. NR1H4-6700HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NR1H4 full-length ORF (ADR83011.1, 1 a.a. - 476 a.a.) recombinant protein with GST tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
Protein Length	476 amino acids
Description	This gene encodes a ligand-activated transcription factor that shares structural features in common with nuclear hormone receptor family members. This protein functions as a receptor for bile acids, and when bound to bile acids, binds to DNA and regulates the expression of genes involved in bile acid synthesis and transport. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Feb 2016]
Molecular Mass	78.8 kDa
AA Sequence	<p>MGSKMNLIEHSHLPTTDEFSSFNLFGLVTEQVAGPLGQNLEVEPYSQYSNVQFPQ VQPQISSSSYYSNLGFYPQQPEEWYSPGIYELRRMPAETLYQGETEVAEMPVTKKP RMGASAGRIKGDLCVVGDRASGYHYNALTCEGCKGFFRRSITKNAVYKCKNGG NCVMDMYMRRKCQCRLRKCKEMGMLAECMYTGLLTEIQCKSKRLRKNVKQHAD QTVNEDSEGRDLRQVTSTTKSCREKTELTPDQQTLLHFIMDSYNKQRMPQEITNKIL KEEFSAEENFLILTEMATNHVQVLVEFTKKLPGFQTLDHEDQIALLKGSVEAMFLRS AEIFNKKLPSGHSDDLLEERIRNSGISDEYITPMFSFYKSIGELKMTQEEYALLTAIVILSP</p>

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DRQYIKDREAVEKLEPELLDVLQKLCCKIHPENPQHFACLLGRLTELRTFNHHHAEM
LMSWRVNDHKFTPLLCEIWDVQ

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.


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; farnesol receptor HRR-1; RXR-interacting protein 14; farnesoid X nuclear receptor; farnesoid X-activated receptor; retinoid X receptor-interacting protein 14; BAR; HRR-1; MGC163445;
Gene ID	9971
mRNA Refseq	NM_001206977
Protein Refseq	NP_001193906




MIM	603826
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UniProt ID	Q96R11
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