

## Product datasheet for **SC329870**

### Bile Acid Receptor (NR1H4) (NM\_001206979) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Bile Acid Receptor (NR1H4) (NM\_001206979) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Bile Acid Receptor  
**Synonyms:** BAR; FXR; HRR-1; HRR1; PFIC5; RIP14  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC329870 representing NM\_001206979.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGGATCAAAAATGAATCTCATTGAACATTCACATTTACCTACCACAGATGAATTTTCTTTTCTGAA
AATTTATTTGGTGTTTTAAACAGAACAAGTGGCAGGTCCTCTGGGACAGAACCTGGAAGTGAACCATAC
TCGCAATACAGCAATGTTTCAGTTTCCCAAGTTCAACCACAGATTTCTCGTCATCCTATTATTTCCAAC
CTGGGTTTCTACCCCAGCAGCCTGAAGAGTGGTACTCTCCTGGAATATATGAACTCAGGCGTATGCCA
GCTGAGACTCTTACCAGGGAGAACTGAGGTAGCAGAGATGCCTGTAAACAAAGAAGCCCGCATGGGC
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TATAATGCACTGACCTGTGAGGGGTGTAAGGTTTCTTCAGGAGAAGCATTACCAAAAACGCTGTGTAC
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CAGGTTCTGTAGAATTCACAAAAAGCTACCAGGATTCAGACTTTGGACCATGAAGACCAGATTGCT
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CTTCTTGATGTGTACAAAAGTTGTGTAAGATTCACCAGCCTGAAAATCCTCAACACTTTGCCTGTCTC
CTGGGTCGCTGACTGAATTACGGACATTCATCATCACCAGCCTGAGATGCTGATGTCATGGAGAGTA
AACCCACAAGTTTACCCCACTCTCTGTGAAATCTGGGACGTGCAGTGA
  
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001206979  
**Insert Size:** 1431 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001206979.1</a></u>
<b>RefSeq Size:</b>	2325 bp
<b>RefSeq ORF:</b>	1431 bp
<b>Locus ID:</b>	9971
<b>UniProt ID:</b>	<u><a href="#">Q96RI1</a></u>
<b>Cytogenetics:</b>	12q23.1
<b>Protein Families:</b>	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
<b>MW:</b>	54.9 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) encodes isoform 1 (also known as FXRalpha+). Variants 1 and 6 encode the same isoform (1).</p>