

Product datasheet for **SC329877**

Bile Acid Receptor (NR1H4) (NM_001206993) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bile Acid Receptor (NR1H4) (NM_001206993) 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: >SC329877 representing NM_001206993.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGTAATGCAGTTTCAGGGGTTAGAAAATCCAATTCAAATTAGTCCTCACTGCAGCTGTACGCCGTCAGGATTTTTCATGGAAATGATGAGTATGAAGCCCGCAAAGGTGTTTTAACAGAACAAGTGGCAGGTCCTCTGGGACAGAACCTGGAAGTGAACCACTACTCGCAATACAGCAATGTTTCAGTTTCCCAAGTTCAACCA CAGATTTCTCGTCATCCTATTATTCCAACCTGGGTTTCTACCCCAGCAGCCTGAAGAGTGGTACTCTCCTGGAATATATGAACTCAGGCGTATGCCAGCTGAGACTCTTACCAGGGAGAACTGAGGTAGCAGAGATGCCTGTAACAAGAAGCCCCGCATGGGCGCGTCAGCAGGGAGGATCAAAGGGGATGAGCTGTGTGTTGTTTGTGGAGACAGGCCTCTGGATACCACTATAATGCACTGACCTGTGAGGGGTGTAAAGTTTTCTTCAAGGAGAAGCATTACAAAAACGCTGTGTACAAGTGTAAAAACGGGGGCAACTGTGTGATGGATATGTACATGCGAAGAAAGTGTCAAGAGTGTGCGACTAAGGAAATGCAAAGAGATGGGAATGTTGGCTGAATGTATGTATACAGGCTTGTAACTGAAATTCAGTGTAAATCTAAGCGACTGAGAAAAATGTGAAGCAGCATGCA GATCAGACCGTGAATGAAGACAGTGAAGGTCGTGACTTGCACAAGTACCTCGACAACAAAGTCATGCAGGGAGAAAACTGAACTCACCCAGATCAACAGACTCTTCTACATTTTATTATGGATTATATAACAAA CAGAGGATGCCTCAGGAAATAACAAATAAAATTTTAAAAGAAGAATTCAGTGCAGAAGAAAAATTTCTC ATTTTGCAGGAAATGGCAACCAATCATGTACAGGTTCTTGTAGAATTCACAAAAAGCTACCAGGATTCAGACTTTGGACCATGAAGACCAGATTGCTTTGCTGAAAGGGTCTGCGGTTGAAGCTATGTTCTTCGT TCAGCTGAGATTTTCAATAAGAACTTCCGCTCTGGGCATTCTGACCTATTGGAAGAAAGAATTCGAAAT AGTGGTATCTCTGATGAATATATAACACCTATGTTTAGTTTTATAAAAGTATTGGGAACTGAAAAATG ACTCAAGAGGAGTATGCTCTGCTTACAGCAATTGTTATCCTGTCTCCAGATAGACAATACATAAAGGAT AGAGAGGCAGTAGAGAAGCTTCAGGAGCCACTTCTTGATGTGCTACAAAAGTTGTGAAGATTCCACAG CCTGAAAAATCCTCAACACTTTGCCTGTCTCCTGGGTCGCCTGACTGAATTACGGACATTCATCATCAC CACGCTGAGATGCTGATGTCATGGAGAGTAAACGACCACAAGTTACCCCACTTCTGTGAAATCTGG GACGTGCAGTGA
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Restriction Sites: SgfI-MluI
ACCN: NM_001206993
Insert Size: 1461 bp



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OTI Disclaimer:	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).
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	<u>NM_001206993.1</u>
RefSeq Size:	1907 bp
RefSeq ORF:	1461 bp
Locus ID:	9971
UniProt ID:	<u>Q96R11</u>
Cytogenetics:	12q23.1
Protein Families:	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
MW:	55.9 kDa
Gene Summary:	<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 (3) differs 5' UTR and lacks a portion of the 5' coding region compared to variant 1. It represents use of an alternate promoter and initiates translation at an alternate start codon. The encoded isoform (3, also known as FXRbeta+) has a distinct, longer N-terminus, compared to isoform 1.</p>