

Product datasheet for **SC116919**

FXR1 (NM_005087) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FXR1 (NM_005087) Human Untagged Clone
Tag:	Tag Free
Symbol:	FXR1
Synonyms:	FXR1P; MYOPMIL; MYORIBF
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC116919 sequence for NM_005087 edited (data generated by NextGen Sequencing)

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ATGGCGGAGCTGACGGTGGAGGTTTCGGGCTCTAACGGGGCTTTCTACAAGGGATTTATC
AAAGATGTTTCATGAAGACTCCCTTACAGTTGTTTTGAAAATAATTGGCAACCAGAACGC
CAGGTTCCATTTAATGAAGTTAGATTACCACCACCCTGATATAAAAAAGAAATTAGT
GAAGGAGATGAAGTAGAGGTATATTCAAGAGCAAATGACCAAGAGCCATGTGGGTGGTGG
TTGGCTAAAGTTCGGATGATGAAAGGAGAATTTTATGTCATTGAATATGCTGCTTGAGC
GCTACTTACAATGAAATAGTCACATTTGAACGACTTCGGCCTGTCAATCAAAAATAAACT
GTCAAAAAAATACCTTCTTTAAATGCACAGTGGATGTTCTGAGGATTTGAGAGAGGCG
TGTGCTAATGAAAATGCACATAAAGATTTTAAGAAAGCAGTAGGAGCATGCAGAATTTTT
TACCATCCAGAAACAACACAGCTAATGATACTGTCTGCCAGTGAAGCAACTGTGAAGAGA
GTAAACATCTTAAGTGACATGCATTTGCGAAGTATTCGTACGAAGTTGATGCTTATGTCC
AGAAATGAAGAGGCCACTAAGCATTTAGAATGCACAAAACAACCTGCAGCAGCTTTTCAT
GAGGAATTTGTTGTGAGAGAAGATTTAATGGGCCTGGCAATAGGAACACATGGTAGTAAC
ATCCAGCAAGCTAGGAAGTTTCTGGAGTTACCGCCATTGAGCTAGATGAAGATACTGGA
ACATTCAGAATCTACGGAGAGAGTGCTGATGCTGTAAAAAAGGCTAGAGGTTTCTTGAA
TTTGTGGAGGATTTTATTCAAGTTCCTAGGAATCTCGTTGGAAAAGTAATTGAAAAAAT
GGCAAAGTTATTCAAGAAATAGTGGACAAATCTGGTGTGGTTCGAGTGAGAATTGAAGGG
GACAATGAAAATAAATTACCCAGAGAAGACGGTATGGTTCATTTGTATTTGTTGGCACT
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AGGTCTTATAGCGGAAGAGGCAGAGGTCGTCGGGGACCTAATTACACCTCCGTTATGGT
ACAAATTTCTGAGCTGTCTAACCCTCTGAAACGGAATCTGAGCGTAAAGACGAGCTGAGT
GATTGGTCATTGGCAGGAGAAGATGATCGAGACAGCCGACATCAGCGTGACAGCAGGAGA
CGCCCAGGAGGAAGAGGCAGAAGTGTTCAGGGGGTCGAGGTCGTGGTGGACCACGTGGT
GGCAAATCCTCCATCAGTTCTGTGCTCAAAGATCCAGACAGCAATCCATACAGCTTACTT
GATAATACAGAATCAGATCAGACTGCAGACACTGATGCCAGCGAATCTCATCACAGTACT
AACCGTCGTAGGCGGTCTCGTAGACGAAGGACTGATGAAGATGCTGTTCTGATGGATGGA
ATGACTGAATCTGATACAGCTTCAGTTAATGAAAATGGGCCAGTCACAGTTGCAGATTAT
ATTTCTAGAGCTGAGTCTCAGAGCAGACAAGAAACCTCCCAAGGGAACTTTGGCTAAA
AACAGAAGAAATGGCAAAGATGTGATTGAAGAGCATGGTCTTCAGAAAAGGCAATA
AACGGCCCAACTAGTGCTTCTGGCGATGACATTTCTAAGCTACAGCGTACTCCAGGAGAA
GAAAAGATTAATACCTTAAAAGAAGAAAACACTCAAGAAGCAGCAGTCTGAATGGTGTT
TCATAA
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Clone variation with respect to NM_005087.3
1601 t=>c

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005087 unedited
 ATTTTGTAAATACGACTTACTATTAGGGCGGCCGGAATTCGCACGAGGTTGAGACCCAG
 GGTGAAGGGCGGGGATCCCAATCCCAGCCCTGTTTTCCCTCCCTTTCCCGCCTCT
 TCTCGCCCTCCCCCTCCTCCCTCTGGTTGAAAGTTTCTAGAATCTTTCCAGCGG
 CCTTTGCGGTTCCAACATGGCGGAGCTGACGGTGGAGGTTGCGGCTCTAACGGGCTTT
 CTACAAGGGATTATCAAAGATGTTTCATGAAGACTCCCTTACAGTTGTTTTGAAAATAA
 TTGGCAACCAGAACGCCAGGTTCCATTTAATGAAGTTAGATTACCACCACCACCTGATAT
 AAAAAAGAAATTAGTGAAGGAGATGAAGTAGAGGTATATTCAAGAGCAAATGACCAAGA
 GCCATGTGGGTGGTGGTTGGCTAAAGTTCGGATGATGAAAGGAGAATTTTATGTCATTGA
 ATATGCTGCTTGTGACGCTACTTACAATGAAATAGTCACATTTGAACGACTTCGGCCTGT
 CAATCAAATAAACTGTCAAAAAAATACCTTCTTTAAATGCACAGTGGATGTTCTCTGA
 GGATTTGAGAGAGGCGTGTGCTAATGAAAATGCACATAAAGATTTTAAGAAAGCAGTAGG
 AGCATGCAGAATTTTTACCATCCAGAAACACACAGCTAATGATACTGTCTGCCAGTGAA
 GCAACTGTGAAGAGAGTAAACATCTTAAGTGACATGCATTTGCGAAGTATTCGTACGAAG
 NTGATGCTTTATGTCCAGAAATGAAGAGGCCACTAGCATTTAGATGCACANNACACTTGCA
 GCAGCCTTTCTATGAGAAATTGTGTGAGAGAAGATTAATGGGCCTGGGCATAGGACACAT
 GGTAGTACATTACCAGCTATGAAGTTCTGGAGTACCCGCATGAGCTANATGAGAACTG
 GACATCCGATCTACGAGAAAGGCTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005087 unedited
 GACGCGCCGCATCTATATCGAGTTTTTTTTTTTTTTTTTTTTCAGCAAATGAAAAACAAAG
 TTTATTTACTACCTGCATACAAAAACATATTGCACATCAAACAACCGAAATAAAAAA
 AAAAAGGAAAAAAGATACTACTGAAACTAACATGTAGTTTATACAGAAATAAC
 CTCTGGAAATGATCTTTTCAGTAGTTCAGGTTATGTCTGAATGGACATGACTAATCA
 GCTTAGGGTTTTAACTAAAGCTATGTTAGATTTTTAAATACTGTACACTTAAATAATAA
 ACCAAACAAAGCCTCAAGGTAACAGTCACTGCCAAGTATCGCCAGTGTCCCTGCAGA
 TGAAAGTTTAAACAAATGATTCCAGAGGCTGCAGATTTTCTCTACATACAGCATTTAA
 AAAACACATTAACAGACCAGTTCCAGACTAACTAATGAAGAAATTACAATTCAGTG
 CAAAATATTTAGACTGCATTTTCTAGTTTTCCCTCAGGTGAAGAAGTGGTTGCATAT
 TAAAAATGTAACANAAGCAGCTAATGCTTTCATAAAGAATATTACGTTAGGGATCCCACC
 CCACCCCAACCCCATTTNTGGCATATTTTAGAAACAAAATAACATTTCTATAGCCA
 AGAACTTTTTTAAAGGTACATATACTATTCTCAAGCACATCTGATGATTTATTTTATAA
 CACAGAAGGGGCAAAAGATGTTTAAACATAAGATTCCTTAGGATCCCTCCCTCTTTTGATT
 CACAAGGGGGAAGTGGAGTGCATGTAAGATGCGATCCTTTTTTCTTGCAATCTGCCAG
 CCCTTTGGATGATGTAACAAACGAACAGGACTCTCATTAAAAACCTCAGAAGGGGTTAA
 GGTTTCTTTAAGAGAATTTTCCGAGACCGACTAAAAGTTCCCAACATTTGGCTTTGT
 CTTTAGAAACCTTAAAAATTTGATTTTTTGTAAAAACGG

Restriction Sites:

NotI-NotI

ACCN:

NM_005087

Insert Size:

3000 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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:	NM_005087.2 , NP_005078.2
RefSeq Size:	2774 bp
RefSeq ORF:	1866 bp
Locus ID:	8087
UniProt ID:	P51114
Cytogenetics:	3q26.33
Domains:	KH
Protein Families:	Druggable Genome
Gene Summary:	<p>The protein encoded by this gene is an RNA binding protein that interacts with the functionally-similar proteins FMR1 and FXR2. These proteins shuttle between the nucleus and cytoplasm and associate with polyribosomes, predominantly with the 60S ribosomal subunit. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>