

Product datasheet for **RG217173**

FXR1 (NM_005087) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FXR1 (NM_005087) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FXR1
Synonyms:	FXR1P; MYOPMIL; MYORIBF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG217173 representing NM_005087
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGAGCTGACGGTGGAGGTTTCGGCTCTAACGGGGCTTTCTACAAGGATTTATCAAAGATGTTCT
 ATGAAGACTCCCTTACAGTTGTTTTGAAAATAATTGGCAACCAGAACGCCAGGTTCCATTTAATGAAGT
 TAGATTACCACCACCACCTGATATAAAAAAAGAAATTAGTGAAGGAGATGAAGTAGAGGTATATCAAGA
 GCAAAATGACCAAGAGCCATGTGGTGGTGGTTGGCTAAAGTTCGGATGATGAAAGGAGAATTTTATGTCA
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 AAATAAACTGTCAAAAAAATACCTTCTTTAAATGCACAGTGGATGTTCTGAGGATTTGAGAGAGGCG
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 AAACAACACAGCTAATGATACTGTCTGCCAGTGAAGCAACTGTGAAGAGAGTAAACATCTTAAGTGACAT
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 AGATACTGGAACATTCAGAATCTACGGAGAGAGTCTGATGCTGTAAAAAGGCTAGAGGTTTCTTGAA
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 GAAGAGGCAGAAGTGTTCAGGGGGTCGAGGTCGTTGGTGGACCACGTGGTGGCAAATCTCCATCAGTTC
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 ACTGATGCCAGCAATCTCATCACAGTACTAACCGTCGTTAGGCGGTCCTGAGACGAAGGACTGATGAAG
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 TGCAGATTATTTCTAGAGCTGAGTCTCAGAGCAGACAAGAAACCTCCCAAGGAAAATTTGGCTAAA
 AACAAAGAAAGAAATGGCAAAAGATGTGATTGAAGAGCATGGTCTTCAGAAAAGGCAATAAACCGCCCAA
 CTAGTGCTTCTGGCGATGACATTTCTAAGCTACAGCGTACTCCAGGAGAAGAAAAGATTAATACCTTAAA
 AGAAGAAAACACTCAAGAAGCAGCAGTCTGAATGGTGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

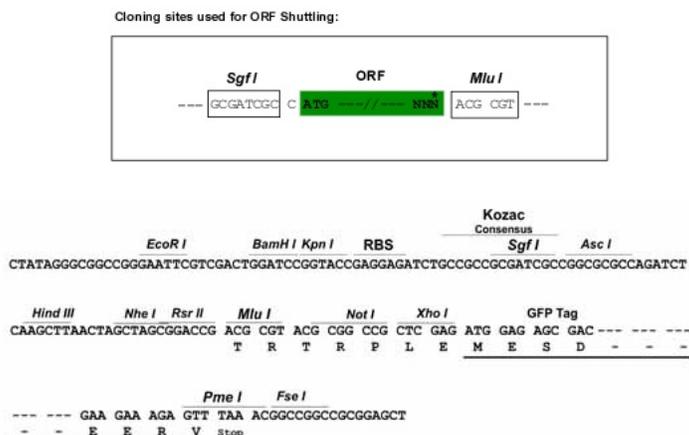
>RG217173 representing NM_005087
 Red=Cloning site Green=Tags(s)

MAELTVEVRGNSGAFYKGFIKDVHEDSLTVVFENWQPERQVPFNEVRLPPPPDIKKEISEGDEVEVYSR
 ANDQEPGWWLAKVRRMMKGEFYVIEYAACDATYNEIVTFERLRPVNQNKTVKKNTFFKCTVDVPEDLREA
 CANENAHKDFKAVGACRIFYHPETTQLMILSASEATVKRVNLSMDHLRSIRTKLMLMSRNEEATKHLE
 CTKQLAAAFHEEFVVREDLMGLAIGTHGSNIQQARKVPGVTAIELDEDTGTFRIYGESADAVKKARGFLE
 FVEDFIQVPRNLVGKVIKNGKVIQEIYDKSGVVRVRIEGDNENKLPREDGMVPPVFGTKESIGNVQVL
 LEYHIAYLKEVEQLRMERLQIDEQLRQIGSRYSYGRGRRRGPNYTSYGTNSELSNPSETESERKDELS
 DWSLAGEDDRDSRHQRDSRRRPPGGRGRSVSGGRGRGGPRGGKSSISSVLKDPDSNPYSLLDNTESDQTAD
 TDASESHSTNRRRRSRRRTDEDAVLMDGMTESDTASVNEGLVTVADYISRAESQSRQRNLPRETLAK
 NKKEMAKDVIEEHGPSEKAINGPTSASGDDISKLQRTPGEEKINTLKEENTQEA AVLNGVS

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_005087

ORF Size: 1863 bp

OTI Disclaimer: 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.

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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

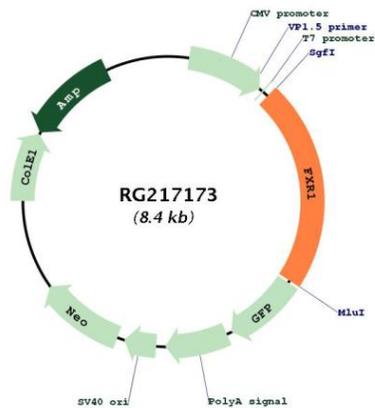
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_005087.4](#)

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: 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]

Product images:



Circular map for RG217173