

Product datasheet for **SC117105**

FXR2 (NM_004860) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FXR2 (NM_004860) Human Untagged Clone
Tag:	Tag Free
Symbol:	FXR2
Synonyms:	FMR1L2; FXR2P
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC117105 sequence for NM_004860 edited (data generated by NextGen Sequencing)

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ATGGGCGGCTGGCCTCTGGGGGGATGTGGAGCCGGGACTGCCCGTCGAGGTGCGCGGC
TCCAACGGGGCCTTCTACAAGGGCTTTGTGAAGGATGTCCATGAAGACTCTGTACCATC
TTCTTTGAAAACAACTGGCAGAGTGAGAGACAAATTCCTTTGGGGATGTCCGGTACCA
CCTCCAGCTGACTATAATAAGGAGATCACAGAAGGGGATGAAGTGGAGGTTTATTCTCGA
GCCAATGAACAGGAACCTTGTGGCTGGTGGCTGGCCCGGGTGGGATGATGAAGGGAGAT
TTCTATGTCATTGAATATGCTGCCTGTGATGCCACCTACAATGAAATTGTTACCCTGGAG
CGACTTCGGCCAGTTAATCCCAATCCCCTTGCAACCAAAGGCAGCTTCTTCAAGTTACC
ATGGCTGTGCCGAGGATCTGAGAGAAGCCTGCTCCAATGAAAACGTCCATAAAGAGTTC
AAGAAAGCCCTGGGAGCCAACCTGCATCTTTCTCAACATCACAAACAGTGAGCTTTCATT
CTGTCAACCACAGAAGCCCTGTGAAGCGAGCATCTCTGCTGGGTGATATGCATTTCCGA
AGCCTGCGCACCAAACCTGCTACTTATGTCCGCAATGAAGAAGCTACCAAGCACCTAGAG
ACAAGCAAGCAGTTGGCAGCAGCCTTCCAAGAGGAGTTACAGTGCAGAGGACCTGATG
GGACTGGCAATTGGGACTCACGGTGCCAACATCCAGCAGGCCCGAAAAGTACCTGGGGTG
ACCGCCATTGAGTTGGGTGAAGAGACCTGCACTTTCGCGATCTATGGGGAGACTCCCGAG
GCTTGCCGACAGGCCGAAGCTACCTTGAGTTTTCTGAGGACTCAGTGAAGTGCCGAGG
AACCTGGTTGGCAAAGTGATTGGAAGAACGGGAAAGTATCCAGGAGATTGTGGATAAA
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GGAATGGTTCCCTTCATTTTTTGTGGCACCCGAGAGAACATCAGCAATGCCGAGGCTTTG
CTGGAGTACACCTCTCCTACCTGCAGGAGGTAGAGCAGCTTCGTTGGAGAGGCTACAA
ATTGATGAGCAGCTTCGGCAGATTGGGCTGGGCTTTCGCCCTCCTGGGAGTGGGCGGGC
AGCGGTGGCAGCGACAAGGCTGGATATAGCACTGATGAGAGCTCCTCCTCCTCCATCCAT
GCGACTCGAACCTATGGGGGCAGCTATGGGGCCGTGGCCGTGGCCGGAGGACAGGCGGT
CCTGCCTATGGCCCCAGCTCAGATGTGTCTACAGCTTCAGAGACTGAGTCAGAGAAGAGA
GAGGAGCCCAACCGAGCTGGGCCTGGCGACAGGGATCCCCCAACCCGAGGGGAAGAAAGC
CGGAGGCGGCCGACTGGGGGCCGGGTAGGGGACCCCCACCTGCCCCCGGCCCACTTCG
AGATAAATTCTCATCTATTAGCTCAGTGCTGAAGGATCCAGACAGTAATCCCTACAGC
CTATTGGACAGTCTGAACCAGAGCCCCGGTTGATTGAGAACCTGGGGAACCCCCCA
GCAAGTGCCAGGCGCCGCTCCCGCCCGCCGCACTGATGAAGACAGGACCGTCATG
GATGGAGGCTGGAATCAGATGGGCCAACATGACAGAGAATGGCCTGGAAGATGAATCA
AGACCTCAACGTGTAATCGCAGCCGCCCGCGTAACCGTGGTAATCGGACTGATGGC
TCTATCAGTGGAGACCGCCAGCCAGTACTGTGGCTGACTATATCTCACGAGCAGAGTCT
CAGAGCCGCCAGAGGCCACCCCTGGAACGCACTAAACCCTCAGAAGACTCTTTTCAGGA
CAGAAGGGTGACTCTGTGAGCAAGCTTCTAAGGGCCCTCGGAGAATGGGGAGCTCTCC
GCCCCCTGGAGTTGGGTAGTATGGTGAATGGGGTTTCATAA
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Clone variation with respect to NM_004860.3

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_004860 unedited GGGGCACGGGGGGAAAGCCGTCATCATCTCCCNNNNGNNGGTGCGGNAATTTGAAA ACACGNACTACTATNAGGGCGGAACGCGCAATTCGCACGAGCCCGCCCCCGGGCTCC CCCTCCGGCTCCTCCTCCGGGGAGACGCCGGGGCCTGGCCCGGCCGCACTCAGACTGC TGCTGCAGCCGCCCGGGGAGTCGGAGGCGGTGGCGGCCATGGGCGGCCTGGCCTC TGGGGGGGATGTGGAGCCGGGACTGTTTGTGCGAGGTGCGCGCTCCAACGGGGCCTTA CAGGCTTTGTGAAGGATGCCATGAAGACTCTGTCACCATCTTCTTTGAAAACAATGG CAGAGTGAGAGACAAATTCCTTTTGGGGATGTCCGGCTACCACCTCCAGCTGACTATAAT AAGGAGATCACAGAAGGGGATGAAGTGGAGGTTTATTCTCGAGCCAATGAACAGGAACCT TGTGGCTGGTGGCTGGCCGGGTGCGGATGATGAAGGGAGATTTCTATGTCATTGAATAT GCTGCCTGTGATGCCACCTACAATGAAATTGTTACCCTGGAGCGACTTCGGCCAGTTAAT CCCAATCCCTTGCAACCAAGGCAGCTTCTTCAAGGTTACCATGGCTGTGCCGNAGAT CTGAGAGAAGCCTGCTCCAATGAAAACGTCCATAAAGAGTTCAAGAAAGCCCTGGGAGCC AACTGCATCTTTCTCAACATCACAAACAGTGAGCTCTTATTCTGTCAACCACAGAAGCC CCTGTGAAGCGAGCATCTCTGCTGGGTGATATGCCATTTGAAGCCGCGCCACCAACTGC TACTTATGTCCCGCAATGAAGAGCTACCAGCACCTAGAGACAGCCAGCAGNTGCCAGCAC CCTCCAGAGGATTACAGTGCAGAGGACCTGATGGGACTGCCAATTGGGACTCCCGGG CCACAT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_004860
Insert Size:	3000 bp
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:	NM_004860.2 , NP_004851.1
RefSeq Size:	2895 bp
RefSeq ORF:	2022 bp
Locus ID:	9513
UniProt ID:	P51116
Cytogenetics:	17p13.1
Domains:	KH

Gene Summary:

The protein encoded by this gene is a RNA binding protein containing two KH domains and one RCG box, which is similar to FMRP and FXR1. It associates with polyribosomes, predominantly with 60S large ribosomal subunits. This encoded protein may self-associate or interact with FMRP and FXR1. It may have a role in the development of fragile X cognitive disability syndrome. [provided by RefSeq, Jul 2008]