

## Product datasheet for SC117789

### FMRFamide (NPFF) (NM\_003717) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FMRFamide (NPFF) (NM_003717) Human Untagged Clone
Tag:	Tag Free
Symbol:	FMRFamide
Synonyms:	FMRFAL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117789 sequence for NM_003717 edited (data generated by NextGen Sequencing)

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ATGGATTCTAGGCAGGCTGCTGCACTGCTGGTGTGCTGCTGTTAATAGACGGGGCTGT
GCTGAAGGGCCAGGAGGCCAGCAGGAAGACCAGCTCTCCGCGGAGGAAGACAGCGAACCC
CTCCCACACAGGATGCCAGACCTCTGGTCACTGTTGCACTACCTGCTCCAGGCAATG
GAGAGACCTGGCCGAGCCAAGCCTTCTGTTTCAGCCCCAGAGGTTTGGCAGAAATACC
CAGGGATCCTGGAGGAATGAATGGCTGAGTCCCCGGGCTGGAGAGGGGCTGAATCCAG
TTCTGGAGCCTGGCTGCCCTCAACGCTTTGGGAAGAAGTGA
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Clone variation with respect to NM\_003717.2

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_003717 unedited CACGAGGCCAGGTGGCTCCTAATGAGCCCTGCATTTCCATTTGCCTGCTCTAGATCCCC TAAGGCTACTGTGAGGCTGGGGTGGGGGAACAGCAGGTATAAGAGGTTGGGGTGGCTGT AGGAGGGTAGGTGGCAGCATGGATTCTAGGCAGGCTGCTGCACTGCTGGTGTGCTGCTG TTAATAGACGGGGCTGTGCTGAAGGGCCAGGAGCCAGCAGGAAGACCAGCTCTCCGCG GTGAGTGTGTGCCATCCCATATCACCATTGCCTCTACTTCGGTTGAGACTTGTGCTC TAGGTTCTGATACTTTCTCTGGCTGCCAAGGTTGTCATTAGGTCCTCACATCTGAGGAAA TGGTTCGCGAGCCTCCTACCACTTGCCCTGGAAGCCAGTCCCTTCCCCTGTGACTTAC GTGTCCAGGGTATTTGCCATCTTCCTTCCCTGATACCCCTTGGCACAGGAGGAAGACA GCGAACCCCTCCCACACAGGATGCCAGACCTCTGGTCACTGTTGCACTACCTGCTCC AGGCAATGGAGAGACCTGGCCGAGCCAAGCCTTCTGTTTCAGCCCCAGAGGTTTGGCA GAAATACCCAGGGATCCTGGAGGAATGAATGGCTGAGTCCCCGGGCTGGAGAGGGGCTGA ATTCCAGTTCCTGGAGCCTGGCTGC
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_003717 unedited GGGGGGGGGGCCCCCNGGCCCCCCANNAAGGTGTTGTCGNCATTTTTATTGGGGG GCAAACTTGTCACCTTTGGGTGTGGACCTTGCATGCAGNACTATCAAGGGATGACATGTC ACTTCTTCCCAAAGCGTTGAGGGGCAGCCAGGCTCCAGAACTGGGAATTCAGCCCCTCTC CAGCCCGGGGACTCAGCCATTTCCTCCAGGATCCCTGGGTATTTCTGCCAACCTCT GGGGCTGAAACAGGAAGGCTTGGCTCCGGCCAGGTCTCTCCATTGCCTGGAGCAGGTAGT GCAACAGTGACCCAGAGGTCTGGGCATCCTGTGGTGGGAGGGGTTGCTGTCTTCTCCT GTGCCAAGGGGGTATCAGGGAAGGAAGATGGGCAATACCCTGGACACGTAAGTCACAAG GGGAAGGGACTGGCTTCCAGGGGCAAGTGGTAGGAGGCTGCGGAACCATTTCTCAGATG TGAGGACCTAATGACAACCTTGGCAGCCAGAGAAAGTATCAGAACCTAGAGCACAAAGTCT CAACCGAAGTAGAGGCAATGGTGATATGGGGATGGGACACACACTCACCGCGGAGAGCTG GTCTTCTGCTGGCCTCTGGCCCTTCCAGCACAGCCCCGTCTATTAACAGCAGCAGCCC CAGCAGTGCAGCAGCCTGCCCTAGAAATCATGCTGCCACCTACCCTCTACAGCCCCCCC AACCTCTTATACCTGCCTGTCCCCCACCCTCAGCCTCACAGTACCCTTAGGGGAATCTA CAACACGCCAATGAAATGCAAGGCCTCATTTAGGAACCCTGGGCCCTTGCCGAATT TCCCGGCCCCCTATATGGAGTGTATTACAAAATTCGGCCGTTAACTAAACGACCCCT CGCCTATATTAACCTCCACCGTTACCCCTACCCGTCCTT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_003717
<b>Insert Size:</b>	860 bp
<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_003717.1</a></u> , <u><a href="#">NP_003708.1</a></u>
<b>RefSeq Size:</b>	591 bp
<b>RefSeq ORF:</b>	342 bp
<b>Locus ID:</b>	8620
<b>UniProt ID:</b>	<u><a href="#">O15130</a></u>
<b>Cytogenetics:</b>	12q13.13
<b>Protein Families:</b>	Druggable Genome, Secreted Protein

**Gene Summary:**

This gene encodes a member of the FMRFamide related peptide (FARP) family of neuropeptides. The encoded preproprotein is proteolytically processed to generate multiple amidated peptides. These peptides may play a role in the regulation of heart rate and blood pressure and the modulation of morphine-induced antinociception. Patients with hypertension exhibit decreased expression of the encoded protein. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Feb 2016]

Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter isoform (1).