

Product datasheet for RC211960

FMRFamide (NPFF) (NM_003717) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FMRFamide (NPFF) (NM_003717) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: FMRFamide
Synonyms: FMRFAL
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC211960 representing NM_003717
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATTCTAGGCAGGCTGCTGCACTGCTGGTCTGCTGCTGTTAATAGACGGGGCTGTGCTGAAGGC
 CAGGAGGCCAGCAGGAAGACCAGCTCTCCGCGGAGGAAGACAGCGAACCCCTCCCACCACAGGATGCCCA
 GACCTCTGGTCACTGTTGCACTACCTGCTCCAGGCAATGGAGAGACCTGGCCGGAGCCAAGCCTTCCTG
 TTT**CAGCCCCAGAGGTTTGGCAGAAATACCCAGGGATCCTGGAGGAATGAATGGCTGAGTCCCCGGGCTG**
GAGAGGGCTGAATTCAGTCTGGAGCCTGGCTGCCCTCAACGCTTTGGGAAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC211960 representing NM_003717
 Red=Cloning site Green=Tags(s)
 MDSRQAAALLVLLLLIDGGCAEGPGGQQEDQLSAEEDSEPLPPQDAQTSGLLHYLLQAMERPGRSQAF
 FQPQRFGRNTQGSWRNEWLSPRAGEGLNSQFWSLAAPQRFQFK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8121_e05.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_003717

ORF Size: 339 bp

OTI Disclaimer: 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_003717.4](#)

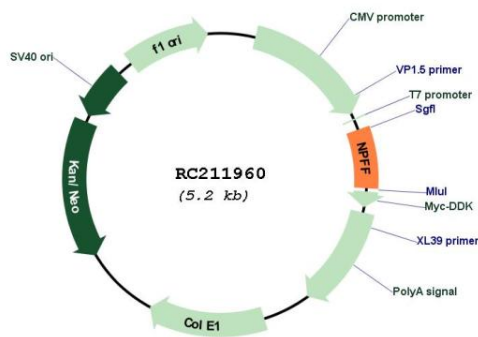
RefSeq Size: 592 bp

RefSeq ORF: 342 bp

Locus ID: 8620

UniProt ID: [O15130](#)
Cytogenetics: 12q13.13
Protein Families: Druggable Genome, Secreted Protein
MW: 12.9 kDa
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]

Product images:



Circular map for RC211960