

Product datasheet for **MR219619**

Npffr1 (NM_001177511) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Npffr1 (NM_001177511) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Npffr1
Synonyms:	Gm236; Gpr147; NPFF1; NPFF1R; OT7T022
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR219619 representing NM_001177511
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGCGGAACCTCCAGCCTCCCAACGGCAGCTGGCCCCGAGTCTGAACGAGAGTGATGCTGAAA
 CGCCCCGGTGGCCAGCCTCACCTTCTTCTCTACTACCAGACTCCTCTCCGGTGGCCGCATGTTTCA
 CGCCGCCTACGCGCTCATCTTCTCTCTGATGGTGGGCAACCCCTGGTCTGCTTCATCGTGCTTAAG
 AACCGGCACATGCGCACTGTACCAACATGTTTCACTCAACCTGGCCGTGAGCGACTGCTGGTGGCA
 TCTTCTGCATGCCACAACCTCGTGGACAACCTATACCGGTTGGCCTTTTGACAATGCCACATGCAA
 GATGAGCGGCTTGGTACAGGGCATGTCGGTGTCTGCGTCGGTTTTTCACTGGTGGCCATTGCCGTGGAG
 AGGTTCCGCTGCATCGTACACCTTTCCGTGAGAAGCTGACCCTCCGGAAGGCGTGCTCACCATAGCGG
 TGATCTGGGCGTGGCGTGTCTCATGTGTCCCTCGGCGTCACTCTGACCGTACCGGAGAGGAGCA
 TCACTTATGCTGGATGCTCGCAACCGCTCCTACCTCTCTACTGCTGGGAGGCCTGGCCCCGAGAAG
 GGATGCGCAAGGTCTACACCGCGTGCTTTCGCGCACATCTATCTGGCGCCGTGGCGCTCATCGTGG
 TGATGTACGCGCGCATCGCGCGCAAGCTGTGCCAGGCCCCCGGTCCAGCGCGCGACGCGGAGGAGCGGT
 GGCCGAGGGTGGCCGCGCGTCCGCGCCGAGGGCCCGGTGGTGCATATGCTGGTGCATGGTGGCGCTTTC
 TTCACCTTGTCTGGTGGCACTCTGGGTGCTGCTGCTCATCGACTACGGGGAGCTGAGCGAGCTGC
 AGCTGCACTTGTGTCCGTCTACGCCTTCCCGTTGGCACACTGGCTGGCCTTCTTCCACAGCAGCGCCAA
 CCCATTATCTACGGCTACTTCAACGAGAACTCCGCCGCGGCTCCAGGCTGCCTCCGGGCACAGCTC
 TGCTGGCTTCCCTGGGCGCCACAAGCAAGCCTACTCCGAGCGGCTGGCCGCCTCTGCGCAGGCGGG
 TGGTGGTGGACGTGCAACCCAGCGACTCAGGGCTGCCATCGGAGTCTGGCCCCAGCAGTGGGGTCCCAGG
 GCCTAACCGGCTGCCATTGCGCAATGGGCGTGTGGCCACCAGGATGGCCCGAGGGAAGGGCCTGGCTGC
 AACCATGCCCCCTCACTATCCAGCCTGGAACATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR219619 representing NM_001177511
 Red=Cloning site Green=Tags(s)

MEAEPSQPPNGSWPPSLNESDAETAPVASLTFSSYYQHSSPVAAMFIAAYALIFLLCMVGNLVCFIVLK
 NRHMRTVTNMFILNLAVSDLLVGIFCMPTTLVDNLITGWPFDNATCKMGLVQGMVSASVFTLVIAIVE
 RFRCIVHPFREKLTLRKALLTIAVIWALALLIMCPSAVTLTVTREEHHFMLDARNRSYPLYSCWEAWPEK
 GMRKVYTAFLFAHIYLAPLALIVVMYARIARKLCQAPGPARDAAEVAEAGGRASRRRARVVHMLVMVALF
 FTLSWLPLWVLLLLIDYGELSELQLHLLSVYAFPLAHLAFFFHSSANPIIYGYFNENFRRGFQAAFRQL
 CWLPWAAHKQAYSERPGRLRRRVVVDVQPSDGLPSESGPSSGVPGNRPLRNRGRVAHQDGPREGPGC
 NHMPLTIPAWNI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9017_h03.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001177511

ORF Size: 1296 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.

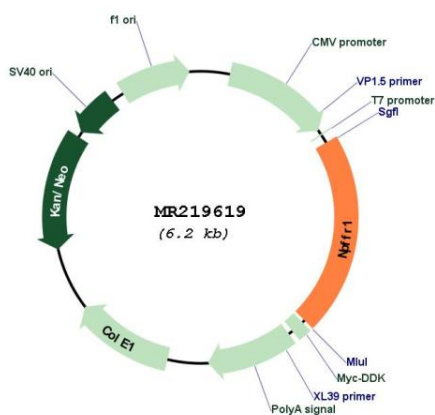
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_001177511.2](#)

RefSeq Size: 1307 bp
 RefSeq ORF: 1299 bp
 Locus ID: 237362
 Cytogenetics: 10 B4
 MW: 48.7 kDa

Product images:



Circular map for MR219619