

Product datasheet for MC212100

Npffr2 (NM_133192) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Npffr2 (NM_133192) Mouse Untagged Clone
Tag: Tag Free
Symbol: Npffr2
Synonyms: Gpr74; HG31; NPFF2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC212100 representing NM_133192
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCGAGAAATGGGACTCAAACCTCTTCAGAAAGCTGGAATCACATCTGGAGTGGCAATGATACACAGC
 ATCACTGGTATTCAGATATCAACATTACCTATGTGAACACTACTATCTCCACCAGCCCCAAGTGGCAGCTGT
 CTTTCATCAGCTCCTACCTCCTGATCTTTGTCTTGTGCATGGTGGGAAATACTGTCGTTTGCCTTTATTGTG
 ATAAGGAATAGACACATGCACACAGTCACTAATTTCTTCATCTTAAACCTTGCCATAAGTGATTTACTGG
 TTGGAATATTCTGTATGCCTATCACATTGCTGGACAACATCATAGCAGGATGGCCATTCCGAAGCAGCAT
 GTGCAAGATCAGTGGGCTGGTGAAGGGATATCAGTTGCGGCTTCCGTCTCACCTTGGTTGCAATAGT
 GTGGACAGATTCCGCTGTGTGGTCTACCCCTTTAAGCCAAAGCTCACTGTCAAGACAGCCTTTGTCACGA
 TTGTGATCATCTGGGCTGGCCATCGCCATTATGACTCCATCTGCAATAATGTTACATGTACAAGAAGA
 AAAATACTACCGTGTGAGACTCAGCTCCCAATAAAAACCAGCACAGTCTACTGGTGTGGGAGGACTGG
 CCAAGACACGAAATGAGGAGGATCTATACCACGGTGTATTTGCCACCATCTATCTTGCTCCTCTCTCAC
 TCATTGTTATCATGTATGCAAGGATTGGGGCTTCCCTCTCAAGACGGCAGCACACTGCACAGGCAAGCA
 GCGTCCAGTGCAGTGGCATGTATCCAAGAAGAAACAGAAGGTCAAGATGCTGCTGACTGTGGCCCTC
 CTTTTCATCCTTTCTGGCTTCCCTGTGGACCCTGATGATGCTCAGACTACTGACCTGTCTCCTA
 ACAAACTGCGTATCATCAACATCTACATCTACCCTTTCCGCCACTGGCTCGCCTTCTGCAACAGCAGTGT
 CAACCCTATTATTTATGATTCTTTAATGAAAATTTTCGCAATGTTTTCAAGATGCTTTCCAGATCTGC
 CAAAAGAAAGCCAAAGCCCAAGGAAAGCCTATTCCCTGAGAGCGAAACGCAACATAGTCATAAACACATCGG
 GCCTGCTGGTGCAGGAACCGGTGTCTCAAACCCAGGTGGGAAAAATTTGGGATGTGAAAAAGTGCAGA
 CAATCCCACACAGGAATCCTTGATAGAGGAAATGGGAGAAGCTACTAACAGTACTGTGGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Chromatograms:	https://cdn.origene.com/chromatograms/ja2184_e06.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_133192
Insert Size:	1254 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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_133192.3 , NP_573455.2
RefSeq Size:	1643 bp
RefSeq ORF:	1254 bp
Locus ID:	104443
UniProt ID:	Q924H0
Cytogenetics:	5 E1
Gene Summary:	<p>Receptor for NPAF (A-18-F-amide) and NPFF (F-8-F-amide) neuropeptides, also known as morphine-modulating peptides. Can also be activated by a variety of naturally occurring or synthetic FMRF-amide like ligands. This receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system (By similarity). [UniProtKB/Swiss-Prot Function]</p>