

## Product datasheet for **MR220982**

### **Npff (NM\_018787) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Npff (NM\_018787) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Npff  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR220982 representing NM\_018787  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACTCCAAGTGGGCTGCTCTGCTGCTGCTACTGCTGCTGCTGAATTGGGGCCACACTGAAGAGG  
CAGGGAGCTGGGGTGAAGACCAAGTCTTTGCAGGAGAAGATAAGGGACCCACCCACCACAGTATGCCCA  
CATTCCAGACAGGATCCAGACTCCTGGGTCCCTCTTCGTGTTCTGCTCCAGGCCATGGACACACCTAGA  
AGGAGCCCAGCCTTCTGTTTCAGCCCCAGAGGTTTGGCAGAAGTGCATGGGGTCTGGAGCAAGGAAC  
AGCTAAATCCGCAGGCCAGACAGTCTGGAGCCTGGCCGCTCCTCAGCGCTTTGGGAAGAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR220982 representing NM\_018787  
Red=Cloning site Green=Tags(s)

MDSKWAALLLLLLLLLLLNLWGHTEEAGSWGEDQVFAGEDKGPHPQYAHIPDRIQTPGSLFRVLLQAMDTPR  
RSPAFLFQPQRFGRSAWGSWSKEQLNPQARQFWSLAAPQRFGKK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

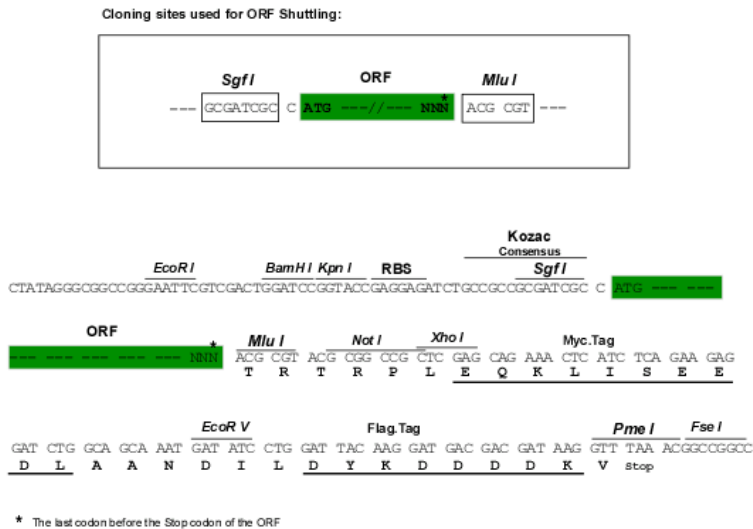
**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9007\\_a05.zip](https://cdn.origene.com/chromatograms/mm9007_a05.zip)

**Restriction Sites:** Sgfl-MluI



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Cloning Scheme:



ACCN: NM\_018787

ORF Size: 342 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\\_018787.1](#), [NP\\_061257.1](#)

RefSeq Size: 451 bp

RefSeq ORF: 345 bp

Locus ID: 54615

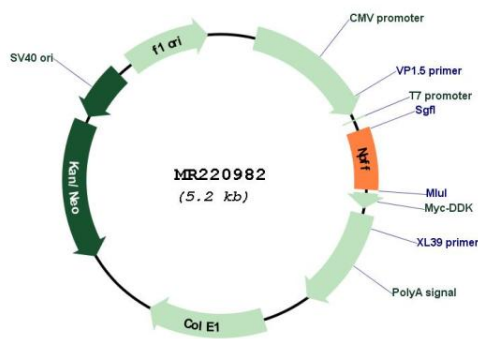
UniProt ID: [Q9WVA8](#)

Cytogenetics: 15 F3

MW: 13.5 kDa

Gene Summary: This gene encodes neuropeptides involved in analgesia, cardiovascular regulation, neuroendocrine function and opiate addiction. The encoded protein is a preproprotein that undergoes further processing to generate multiple amidated peptides. [provided by RefSeq, Jul 2015]

**Product images:**



Circular map for MR220982