

Product datasheet for **MR215341**

Nps (NM_001163611) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nps (NM_001163611) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nps
Synonyms: ENSMUSG00000073804
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR215341 representing NM_001163611
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTGGCTCGTTAAACTCAGCTTCGTCTTAGCTCTGTCGCTGTCTGTAATGCACGTGCTTTGGTGT
ATCCGGTCTCTTCCAAGGTGCCTGGGAAGCCTGATTACTTTCTCATCTTGCTGAGCAGCTGCCAGC
CAGGCTGGAGGGGAGCGACAGGCTAGCTTTTCTAAAGCCAATTTGGAGAAGACATCGATGAAAAGGTCC
TTTCGCAACGGAGTCGGCTCAGGGCGAAAAAACTTCGTTTCGAAGAGCAAAGCAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR215341 representing NM_001163611
Red=Cloning site Green=Tags(s)
MIGSLKLSFVLALSLSVMHVLWCYPVLSKVPGKPDYFLILLSSCPARLEGSDRLAFLKPILEKTSMKRS
FRNGVGSgAKKTSFRRAKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9056_h08.zip

Restriction Sites: Sgfl-MluI



[View online »](#)

Cloning Scheme:



ACCN: NM_001163611

ORF Size: 267 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_001163611.1](#), [NP_001157083.1](#)

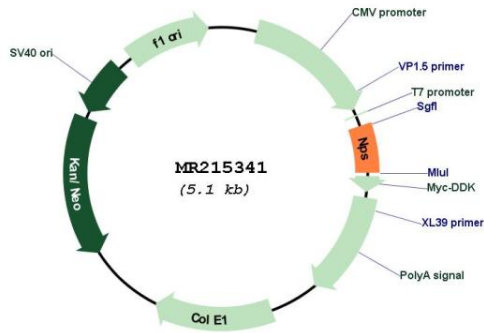
RefSeq Size: 860 bp

RefSeq ORF: 270 bp

Locus ID: 100043254

UniProt ID: [POCOP8](#)
 Cytogenetics: 7 F3
 MW: 9.9 kDa
 Gene Summary: May play an important anorexigenic role. Modulates arousal and anxiety as well as increases locomotor activity. Binds to its receptor NPSR1 with nanomolar affinity to increase intracellular calcium concentrations.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR215341