

Product datasheet for MG215341

Nps (NM 001163611) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Nps (NM_001163611) Mouse Tagged ORF Clone

Tag: TurboGFP

Symbol: Nps

Synonyms: ENSMUSG00000073804

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >MG215341 representing NM_001163611
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

TTTCGCAACGGAGTCGGCTCAGGGGCGAAAAAAACTTCGTTTCGAAGAGCAAAGCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG215341 representing NM_001163611

Red=Cloning site Green=Tags(s)

MIGSLKLSFVLALSLSVMHVLWCYPVLSSKVPGKPDYFLILLSSCPARLEGSDRLAFLKPILEKTSMKRS

FRNGVGSGAKKTSFRRAKQ

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



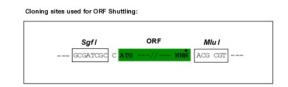
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

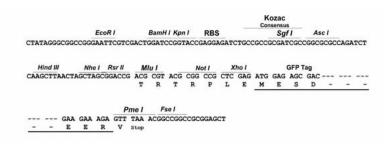
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

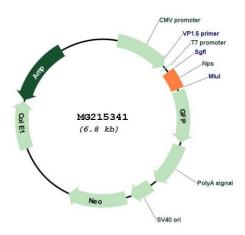


Cloning Scheme:





Plasmid Map:



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



Nps (NM_001163611) Mouse Tagged ORF Clone - MG215341

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: <u>NM 001163611.1</u>, <u>NP 001157083.1</u>

 RefSeq Size:
 860 bp

 RefSeq ORF:
 270 bp

 Locus ID:
 100043254

UniProt ID: POCOP8

Cytogenetics: 7 F3

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]