

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 Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG215341 representing NM_001163611
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTGGCTCGTTAAACTCAGCTTCGTCTTAGCTCTGTCGCTGTCTGTAATGCACGTGCTTTGGTGT
ATCCGGTCTCTTCCAAGGTGCCTGGGAAGCCTGATTACTTTCTCATCTTGCTGAGCAGCTGCCAGC
CAGGCTGGAGGGGAGCGACAGGCTAGCTTTTCTAAAGCCAATTTGGAGAAGACATCGATGAAAAGGTCC
TTTCGCAACGGAGTCGGCTCAGGGCGAAAAAACTTCGTTTCGAAGAGCAAAGCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG215341 representing NM_001163611
Red=Cloning site Green=Tags(s)
MIGSLKLSFVLALSLSVMHVLWCYPVLSKVPGKPDYFLILLSSCPARLEGSDRLAFLKPILEKTSMKRS
FRNGVGS GAKKTSFRRAKQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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| 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: | <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: | <u>NM_001163611.1</u> , <u>NP_001157083.1</u> |
| RefSeq Size: | 860 bp |
| RefSeq ORF: | 270 bp |
| Locus ID: | 100043254 |
| UniProt ID: | <u>P0C0P8</u> |
| 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] |