

Product datasheet for **MG201937**

Nrsn1 (BC052019) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nrsn1 (BC052019) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Nrsn1
Synonyms: Neuro-p24, Neurensin-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201937 representing BC052019
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACTTCTTGCAGCAACACCTGTGGGTCCAGGCGAGCCAGGCTGACACCGAGGGTGGTACCAGCAGC
 GCTATGGAGTTTCGGTCTACCTGCATCAGTTTTATGAGGACTGCACTGCCTCTATCTGGGAGTATGAGGA
 TGATTTCCAGATCCAGAGATCGCCTAACAGGTGGAGCTCAGTATTCTGGAAGGTCGGACTCATCTCAGGC
 ACTGTCTTTGTGATTCTCGGACTAACTGTCTGGCAGTGGGCTTCTTGTGCCCCCAAATCGAAGCTT
 TTGGCGAAGCTGATTTTCATGGTGGTGGACACACATGCTGTGAAGTACAACGGCGCCTGGACACATGCAA
 GCTGGCGGGGGCTGTGCTCTTCTGCATCGGGGTACATCCATGGCAGGGTGCCTACTGATGTCTGTGTTT
 GCCAAGAGCTATTCCAAAGAAGAAAAGTTCTTCAACAGAAGTTAAAGAGCGAATCGCAGACATTAAG
 CCCATACCCAGCCATCACTAAAGCTCCAGGCCAGGGGACACCAAGATCCCTGTCACTTTGTCCAGAGT
 TCAGAATGTGCAGCCTCTATCAGCCACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201937 representing BC052019
 Red=Cloning site Green=Tags(s)

MTSCSNTCGSRRAQADTEGGYQQRYGVRSYLHQFYEDCTASIWEYEDDFQIQRSPNRWSSVFWKVLISG
 TVFVILGLTLVAVGFLVPPKIEAFGEADFMVVDTHAVKYNGALDTCCKLAGAVLFCIGGTSMAGCLLMSVF
 AKSYSKEEFLLQKFKERIADIKAHQIPITKAPGPDTKIPVTLSRVQNVQPLSAT

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: BC052019

ORF Size: 590 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: [BC052019](#), [AAH52019](#)

RefSeq Size: 2005 bp

RefSeq ORF: 590 bp

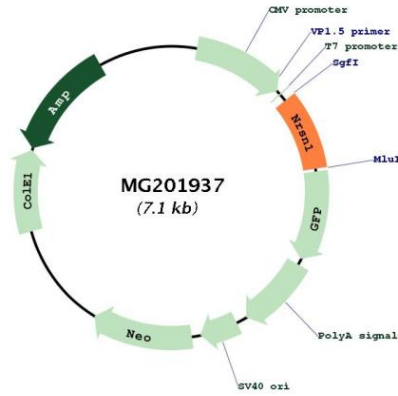
Locus ID: 22360

Cytogenetics: 13 A3.1

Gene Summary:

May play an important role in neural organelle transport, and in transduction of nerve signals or in nerve growth (PubMed:12445626, PubMed:16527258, PubMed:16696124, PubMed:9191101). May play a role in neurite extension (PubMed:26430118).
 [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG201937