

Product datasheet for **RG214517**

NRN1L (NM_198443) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NRN1L (NM_198443) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: NRN1L
Synonyms: cpg15-2; MRCC2446; UNQ2446
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG214517 representing NM_198443
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATGCGCTGCTGCCGCCGCGCTGCTGCTGCCGGCAACCACCCATGCCCTGAGGCCGTTGCTGTTGC
 TGCCCTCGTCTTTTACCTCCCCTGGCAGCAGCTGCAGCGGGCCAAACCGATGTGACACCATATACCA
 GGGCTTCGCCGAGTGTCTCATCCGCTTGGGGGACAGCATGGGCCGCGGAGGCGAGCTGGAGACCATCTGC
 AGGTCTTGAATGACTTCCATGCCTGTGCCTCTCAGGTCCTGTCAGGCTGTCCGGAGGAGGCAGCTGCAG
 TGTGGGAATCACTACAGCAAGAAGCTCGCCAGGCCCCCGTCCGAATAACTGCACACTCTGTGCGGTGC
 CCCGGTGCATGTTCCGGGAGCGCGGCACAGGCTCCAAAACCAACCAGGAGACGCTGCGGGTACAGCGCCT
 GCACTCCCATGGCCCTGCGCCCCACTGCTGGCGGCTGCTCTGGCTCTGGCCTACCTCCTGAGGCCTC
 TGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214517 representing NM_198443
 Red=Cloning site Green=Tags(s)

MMRCCRRRCCCRQPPHALRPLLLLPLVLLPPLAAAAAGPNRCDTIYQGF AECLIRLGDMSMRGGELETIC
 RSWNDFHACASQVLSGCPPEEAAVWESLQEQEARQAPRPNNLHTLCGAPVHVRERGTGSKTNQETLRATAP
 ALPMAPAPLLAAALALAYLLRPLA

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_198443

ORF Size: 495 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_198443.1](#), [NP_940845.1](#)

RefSeq Size: 633 bp

RefSeq ORF: 498 bp

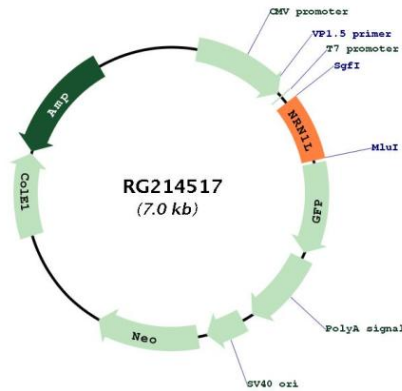
Locus ID: 123904

UniProt ID: [Q496H8](#)

Cytogenetics: 16q22.1

Gene Summary: The protein encoded by this gene is extracellular and enhances both neurite growth and neuronal survival. The encoded protein is found both as a GPI anchored membrane-bound form and as a secreted form. This activity-related ligand functions as a homodimer or heterodimer. [provided by RefSeq, Feb 2017]

Product images:



Circular map for RG214517