

Product datasheet for **RG235940**

Ninjurin2 (NINJ2) (NM_001294345) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ninjurin2 (NINJ2) (NM_001294345) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: Ninjurin2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG235940 representing NM_001294345.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATGTATATGCCTGGAAGCTCCGACCCAGGAGCCAGCCCATCAACCTGAACCATTACGCCACCAAG
AAGAGCGTGGCGGAGAGCATGCTGGACGTGGCCCTGTTCATGTCCAACGCCATGCGGCTGAAGGCGGTG
CTGGAGCAGGGACCATCCTCTCACTACTACACCACCCTGGTCACCCTCATCAGCCTCTCTGCTCCTG
CAGGTGGTCATCGGTGTCCTGCTCGTGGTCATTGCACGGCTGAACCTGAATGAGGTAGAAAAGCAGTGG
CGACTCAACCAGCTCAACAACGCAGCCACCATCTTGGTCTTCTCACTGTGGTCATCAATGTTTTCATT
ACAGCCTTCGGGGCACATAAAACAGGGTTCCTGGCTGCCAGGGCCTCAAGGAATCCTCTC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235940
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MMYMPGSSDPRSQPINLNHYATKKSVAESMLDVALFMSNAMRLKAVLEQGPSSHYTTLVTLISL LLL
QVVIGVLLVVIARLNLNEVEKQWRLNQLNNAATILVFFTVVINVFITAFGAHKTFGLAARSRNPL
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: Sgfl-Mlul



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Cloning Scheme:


ACCN: NM_001294345

ORF Size: 405 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).

RefSeq: [NM_001294345.2](#)

RefSeq Size: 879 bp

RefSeq ORF: 408 bp

Locus ID: 4815

UniProt ID: [Q9NZG7](#)

Cytogenetics: 12p13.33

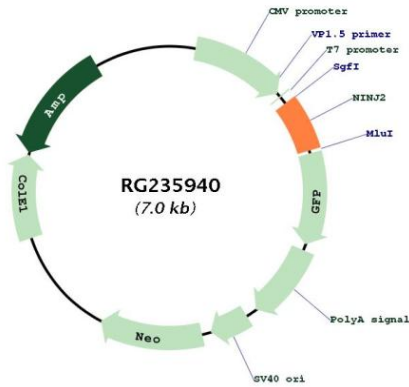
Protein Families: Transmembrane

MW: 15.4 kDa

Gene Summary:

The protein encoded by this gene belongs to the ninjurin (for nerve injury induced) family. It is a cell surface adhesion protein that is upregulated in Schwann cells surrounding the distal segment of injured nerve, and promotes neurite outgrowth, thus may have a role in nerve regeneration after nerve injury. [provided by RefSeq, Oct 2011]

Product images:



Circular map for RG235940