

Product datasheet for **SC333546**

Ninjurin2 (NINJ2) (NM_001294346) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ninjurin2 (NINJ2) (NM_001294346) Human Untagged Clone
Tag:	Tag Free
Symbol:	NINJ2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333546 representing NM_001294346. Blue=Insert sequence Red=Cloning site Green=Tag(s)

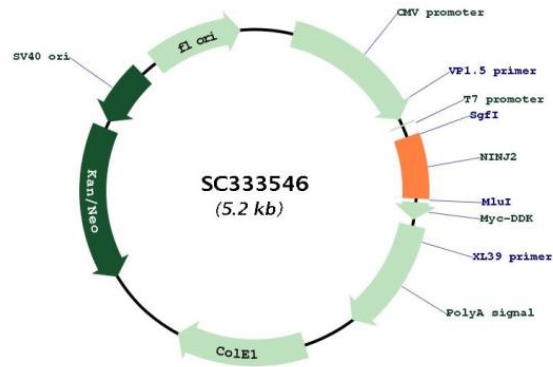
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTGGACGTGGCCCTGTTTCATGTCCAACGCCATGCCGCTGAAGGCGGTGCTGGAGCAGGGACCATCC
TCTCACTACTACACCACCCTGGTCACCCTCATCAGCCTCTCTGCTCCTGCAGGTGGTCATCGGTGTC
CTGCTCGTGGTCATTGCACGGCTGAACCTGAATGAGGTAGAAAAGCAGTGGCGACTCAACCAGCTCAAC
AACGCAGCCACCATCTTGGTCTTCTCACTGTGGTCATCAATGTTTTTCATTACAGCCTTCGGGGCACAT
AAAACAGGGTTCCTGGCTGCCAGGGCCTCAAGGAATCCTCTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_001294346

Insert Size: 321 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001294346.1](#)

RefSeq Size: 986 bp

RefSeq ORF: 321 bp

Locus ID: 4815

UniProt ID: [Q9NZG7](#)

Cytogenetics: 12p13.33

Protein Families: Transmembrane

MW: 11.7 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]
Transcript Variant: This variant (3) contains an alternate 5' terminal exon which results in a different 5' UTR and causes translation initiation at a downstream start codon compared to variant 1. The encoded isoform (3) has a shorter N-terminus compared to isoform 1. Variants 3 and 4 both encode the same isoform (3).