

Product datasheet for **SC304430**

Ninjurin2 (NINJ2) (NM_016533) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ninjurin2 (NINJ2) (NM_016533) 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:	>SC304430 representing NM_016533. Blue=Insert sequence Red=Cloning site Green=Tag(s)

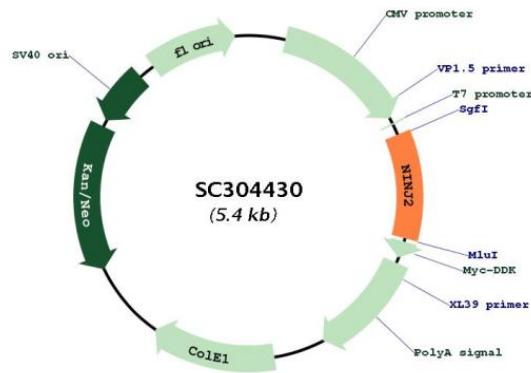
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCAGGTCTGTCCCGCCAGCTGTGTGCTCTCTCCACCCGAAGAAAGCAGCAGAGACTCAGACGGCG
GAGCCTGGAGGAGCCACGCAGTCTGTTCCCGCACCCGGTGCCTGTGAAGGGACTTGAGGGCAGCGAG
ATGGAATCAGCAAGAGAAAACATCGACCTTCAACCTGGAAGCTCCGACCCAGGAGCCAGCCATCAAC
CTGAACCATTACGCCACCAAGAAGAGCGTGGCGGAGAGCATGTGGACGTGGCCCTGTTTCATGTCCAAC
GCCATGCGGCTGAAGCGGTGCTGGAGCAGGGACCATCCTCTCACTACTACACCACCTGGTCACCCCTC
ATCAGCCTCTCTGCTCCTGCAGGTGGTTCATCGGTGCTGCTGCTGGTTCATTGCAGCGGTGAACCTG
AATGAGGTAGAAAAGCAGTGGCGACTCAACCAGCTCAACAACGCAGCCACCATCTTGGTCTTCTCACT
GTGGTCATCAATGTTTTTATTACAGCCTTCGGGGCACATAAAAACAGGGTTCCTGGCTGCCAGGGCCTCA
AGGAATCCTCTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_016533

Insert Size: 567 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_016533.5](#)

RefSeq Size: 1225 bp

RefSeq ORF: 567 bp

Locus ID: 4815

UniProt ID: [Q9NZG7](#)

Cytogenetics: 12p13.33

Protein Families: Transmembrane

MW: 20.4 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]
Transcript Variant: This variant (1) encodes the longest isoform (1). CCDS Note: The coding region has been updated to start at a downstream in-frame start codon that is supported by conservation data.