

## Product datasheet for MR225037

### Ninj1 (NM\_013610) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ninj1 (NM\_013610) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ninj1  
**Synonyms:** AU024536  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR225037 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGTCGGGCACTGAGGAGTATGAGCTCAACGGCGACCTGCGCCGGGCTCCCCGGTCCCCGAGC  
 CCTTGCCACCCCGCTGGGTTTGCAGAACCGGCCATCAATGTAACCATTATGCCAACAAGAAGAGCGC  
 TGGGAGAGCATGCTGGACATCGCGTCTCATGGCCAACGCGTCGCAGCTGAAGGCCGTGGTGGAGCAG  
 GGCAATGATTTTCGCTTCTTCGTGCCCTTGTGGTCTCATCTCTATCTCCCTCGTCTGCAGATAGGAG  
 TGGCGTGTGCTCATCTTCTGGTCAAGTATGACCTCAACAACCGGCCAAGCACGCCAAGCTGGACTT  
 TCTTAACAACCTGGCCACGGGACTGGTTTTTCATCATCGTCGTGGTCAACATCTTCATTACGGCCTTCGGG  
 GTCCAGAAGCCTGTAATGGACGTGGCGCCCCGGCAG

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR225037 protein sequence  
 Red=Cloning site Green=Tags(s)

MESGTEEYELNGDLRPGSPGSPDALPPRWGLRNRPINVNHANKKSAESMLDIALLMANASQLKAVVEQ  
 GNDFAFFVPLVVLISISLVLQIGVGVLLIFLVKYDLNPNPAKHAKLDFLNNLATGLVFIIVVVNIFITAFG  
 VQKPVMDVAPRQ

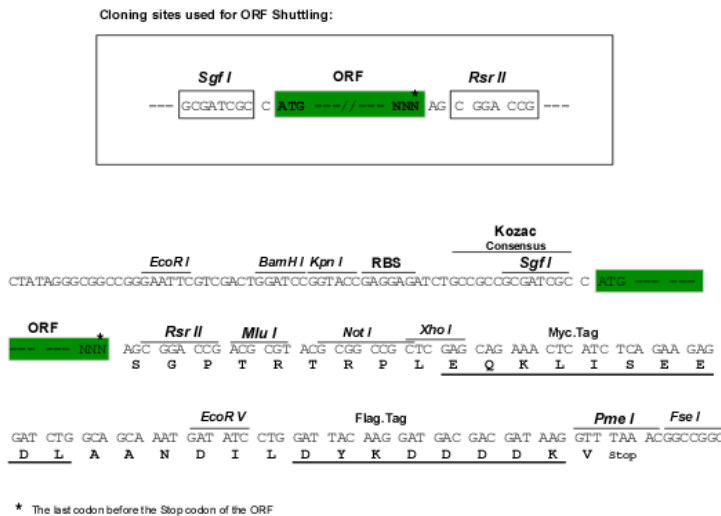
SGP**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-RsrII



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Cloning Scheme:



ACCN: NM\_013610

ORF Size: 459 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

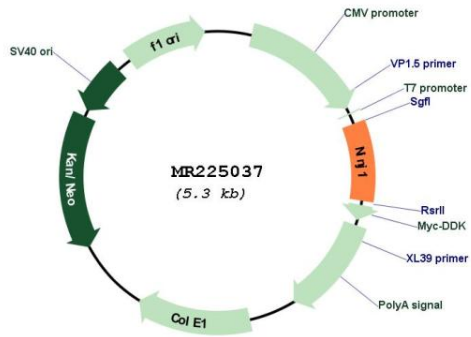
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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\\_013610.3](#)  
 RefSeq Size: 1132 bp  
 RefSeq ORF: 459 bp  
 Locus ID: 18081  
 UniProt ID: [O70131](#)  
 Cytogenetics: 13 A5  
 MW: 16.6 kDa

**Gene Summary:** Homophilic cell adhesion molecule that promotes axonal growth. May play a role in nerve regeneration and in the formation and function of other tissues. Cell adhesion requires divalent cations (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR225037