

Product datasheet for MR218110

Ninj2 (NM_016718) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ninj2 (NM_016718) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ninj2
Synonyms: MGC143502
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR218110 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGTCAGACCGAGAAACCATCCACCTTCAACACAGGCACTCCATGCGCGGAGGGAACCAGCGCATAG
 ACCTGAACTTTTATGCCACCAAGAAGAGTGTGGCAGAGAGCATGCTAGACGTGGCGCTCTTTATGTCCAA
 TGCCATGCGGCTGAAATCAGTGTGTCAGCAAGGGCCATTCGCGGAGTACTACACCACCTAGTACCCTC
 ATCATTGTCTCTGCTCCTGCAAGTGGTCATTAGCCTCCTTCTTGTGTTTCATCGCCATCCTGAACCTGA
 ATGAGGTAGAGAACCAGAGGCATTTAAATAAGCTCAACAATGCTGCCACCATCTTGGTCTTCATAACCGT
 GGTCAACATTTTTATCACTGCTTTCGGAGCACACCATGCAGCCTCCATGGCTGCCAGGACCTCCAGC
 AATCCTATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR218110 protein sequence
 Red=Cloning site Green=Tags(s)

MESDRETIHLQHRHSMRGGNQRIDLNFYATKKSVAESMLDVALFMSNAMRLKSVLQQGPF AEYYTTLVTL
 IIVSLLLQVVISLLLVFIAILNLNEVENQRHLNKLNNAATILVFITVVINIFITAFGAHHAASMAARTSS
 NPI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_016718

ORF Size: 432 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_016718.2](#), [NP_057927.1](#)

RefSeq Size: 822 bp

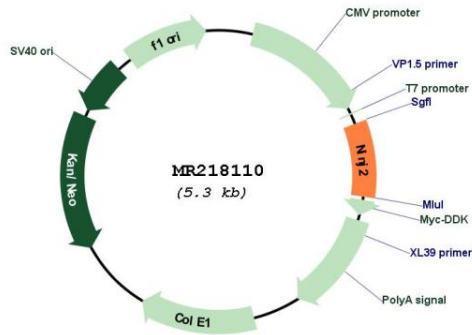
RefSeq ORF: 432 bp

Locus ID: 29862

UniProt ID: [Q9JL89](#)

Cytogenetics: 6 F1
MW: 16 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.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218110