

## Product datasheet for **MG218110**

### Ninj2 (NM\_016718) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ninj2 (NM\_016718) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Ninj2  
**Synonyms:** MGC143502  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG218110 representing NM\_016718  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGTCAGACCGAGAAACCATCCACCTTCAACACAGGCACTCCATGCGCGGAGGGAACCAGCGCATAG  
ACCTGAACTTTTATGCCACCAAGAAGAGTGTGGCAGAGAGCATGCTAGACGTGGCGCTCTTTATGTCCAA  
TGCCATGCGGCTGAAATCAGTGTGCAGCAAGGGCCATTCGCGGAGTACTACACCACCCTAGTCACCCTC  
ATCATTGTCTCTGCTCCTGCAAGTGGTCATTAGCCTCCTTCTGTGTTTCATCGCCATCCTGAACCTGA  
ATGAGGTAGAGAACCAGAGGCATTTAAATAAGCTCAACAATGCTGCCACCATCTTGGTCTTCATAACCGT  
GGTCATCAACATTTTTATCACTGCTTTCGGAGCACACCATGCAGCCTCCATGGCTGCCAGGACCTCCAGC  
AATCCTATT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG218110 representing NM\_016718  
Red=Cloning site Green=Tags(s)

MESDRETIHLQHRHSMRGGNQRIDLNFYATKKSVAESMLDVALFMSNAMRLKSVLQQGPF AEYTTLVTL  
IIVSLLLQVVISLLLVFIAILNLNEVENQRHLNKLNNAATILVFITVVINIFITAFGAHHAASMAARTSS  
NPI

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

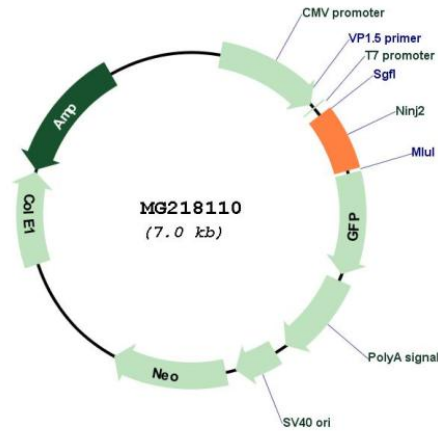


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_016718

ORF Size: 429 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_016718.2, NP_057927.1</u>
<b>RefSeq Size:</b>	822 bp
<b>RefSeq ORF:</b>	432 bp
<b>Locus ID:</b>	29862
<b>UniProt ID:</b>	<u>Q9JL89</u>
<b>Cytogenetics:</b>	6 F1
<b>Gene Summary:</b>	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]