

## Product datasheet for **MG221304**

### **Pnmal2 (NM\_001099636) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pnmal2 (NM_001099636) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pnmal2
Synonyms:	EG434128
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG221304 representing NM\_001099636  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACGATGAACCTTCTGCAAGATTGGTGTAAAGAGCTGGAAGTGGAGGTGCACAGGGCCCTCTGATCA  
 CGGGCATCCCTGAGCGCCTGCAGCAGGGCGACATCGAAGCTACCCTGAGTCCGAACCTGCAGCCCTGGG  
 CAACTACAGGCTTCGACTGTGAGAGCTGTAACCAAAGAGAAGTCTCAGGCAGCCCTGTAGAATTTGGG  
 GCAGACTTCGATCACTCTGCCATACCTATCCACATTAGGGGAGAGAATGGGATTTGAAAAATCCTGAGTA  
 AGGACCGCGGGCAAGATGCGCGGGTCTTAGGCAGATGAGGCGCCTGTTGCTGGATGAAAGGCCCATGGA  
 TGACTTCAGAGAAATAGCCATCCCTCTGGTATTGGAGGCCAAGCCAGGCCAAGGGATTAGGGAAGGAG  
 GCCAAGAAGGCTGGCTCCTCTGAAGGGGCAGCTAGGAGCGGCCGTCGGGGCCGTCGGGGAGGCAAGCGCC  
 GATCCAGAAGCCACAAGTTGACGGCTCAGAAGGGCCAGAAGAGGAGCCGGGGAGGGCGGCAGCCAGGAG  
 TGAGTCGAAGACTCTTCTGATGACAGCCTGGGTATCGTCATAGAGGAGATCTACGCAGAGGACCTGAGC  
 GTAGATGAAGACCAGAGGGCCCTGTATGCCACGCTCCAAGCAGCTGCCAAGAGCTCACCAAGAAGTGGG  
 CCTTTCGGGGTGACCAGGAAGAAGGAGATGGCCCCGAGAATTCTTGGCACTTGTCACTGTCAACGACAA  
 AGCTAAGAAGGAAGAGATAGAGAAAGACCTTCTGGGACAGAGTCTATCTGCTTAAACATCAAAGACGAA  
 AAGAGCGGGTTCCTGATTTAGTCGCGCTACTGGCTGTGAGAGATACCCCGCAGTGGAGGTAGAGACAG  
 AGGTGGATGATGATGATGAAGATGACGAAGATGAAGATGATGAAGATGATGACGAAGATGAAGATGACGA  
 TGAAGATGATCCGACAGCGAGTCTCTGAAAAATGGAGAGCACGGAAAGGAAGTATGGATAGCCCGGAG  
 TTTGTGGCTATTGTGGCTTATACAGACCCCGCTGACCCCTCTGCCAGAGAGGAAATGCTAAAAATAGCTT  
 CTGTGATTGAGACCCCTCGGCTGGGGCGACAAAAAAGACAAAAAAGATGTCCTTCTCAAGTCTGTCCGT  
 CATGGCTAAGGACACCTCTGGGCCCAGGGTGAAGGTAGAGGAGGCAGGTGCTCAGGTGGACGCCATGGTC  
 CTGAGGAAGGCAGAGGAAGATGGGAATCTTCTGGAATGTATTTCTACCTTGGCTGAGGCAGAGAACTGCC  
 CTAAGGGAAGAAGTCTGGGCTAGGTCTCCTCAGAGGCTGGACCGCTGAGGGCCACCAGGGTGGCCTATT  
 GGAGCTGGTGGCACTCTTGGCTGCGCAAGATATGGTGAAGCTGTGAGAGAAGAAGAAGCCAGCAGGTGG  
 GGCAGTGGTGAAGTGGTGGCCGGAAGTGTGACCATAGCCAAGTGGTTTATCTGAGGTCTGGCTTTCC  
 TGGCCTCCAGGAGAATCTAGAATCCAACGAGGAATCGGACGAGGATTACAGACACAGAGTCAGAGGGAGA  
 TTCCGAGGACACTGACAGCGAAGAGTCCGAACCTGGTACAGCGTGTCCAAGAAGCCGCGCCCAAGAGA  
 GCGCGCACAGGCTCCAAAGGCCTCCACCGGCCGCGCCACCGCGGTCTCCACCGCATCCCGGGCACGCA  
 AAGCCCGCAGGGTGGCCGCGGTCTGGCCGGGTGTACCCAGAGAAGAAAACGGGGAGCGGGTTC  
 AACCGAGGACCATGCGGGGAACAACAAGAAGAAGAGGGATCCGCAGGAGCCGGGGCCCGTGCAGG  
 GCTGGCGAGGCCAAGGGACAGCCAGCTGCTGTTCCCAAGTCTACCCGCGGAAAGAAGACGCAGGGGCC  
 CAAGGCGGGCGCCCAATGCCGT

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG221304 representing NM\_001099636  
 Red=Cloning site Green=Tags(s)

```
MTMNLQDWCKELEVEVHRALLITGIPERLQQADIEATLSPNLQPLGNYRLRTVRAVTKEKSQAALVEFG
ADFDHSAIPIHIRGENGIWKILSKDRGQDARVLRQMRLLLDERPMDDFREIAIPLVLEAQAKGLGKE
AKKAGSSEGAARSGRRRGRGGKRRSRSHKLT AQKGQKRSRGGRRARSESESDSDSLGIVIEEIIYAEDLS
VDEDQRALYATLQAAAKELTKKWAFRGDQEEGDGPREFLALVTVTDKAKKEEIEKDLPGTESICLNKDE
KSGV PDLVALLAVRDTPAVEVETEVDDEDEDEDEDEDEDEDEDESDSELENHGHGKEVMDSPE
FVAIVAYTDPADPSAREEMLKIASVIETLWGWGDKKDKDVLVQVLSYMAKDTSGPRVKVEEAGRQVDAMV
LRKAEEDGNLLECISTLAEANCPKGGKSGLLRGWTAEGHQGLLELVALLAAQDMVEAVREEEASRW
GSGGSGGRKCDHSQGLSEVLAFASQENLESNEEDEDSDTESEGDSEDTDSESEPGDSVSKKPRAKR
ARTGSKGLPPAGATAVSTASRARKARRGRRGRAVTPEKKTGSGVSTEDHAGNNKKKKGSAGAGARAR
AGEAKQPAAVPKSTRGKKARRGPRRAPKCR
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001099636

**ORF Size:** 1983 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\\_001099636.2](#), [NP\\_001093106.1](#)

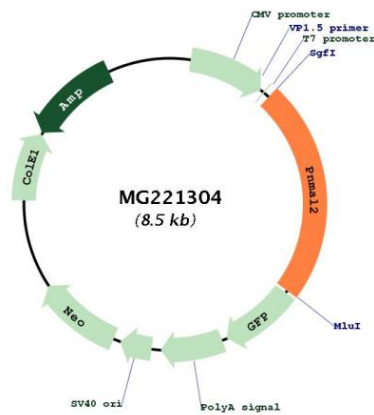
**RefSeq Size:** 2397 bp

**RefSeq ORF:** 1986 bp

**Locus ID:** 434128

**Cytogenetics:** 7 A2

**Product images:**



Circular map for MG221304