

## Product datasheet for **MG216844**

### **Pnma1 (NM\_027438) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Pnma1
Synonyms:	5730402C15Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >MG216844 representing NM\_027438  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCTATGACACTATTGGAAGACTGGTGCAGGGGAATGGATGTGAACTCTCAGAGAGCTCTGTTGGTCT  
GGGGATCCCTGTGAACTGTGATGAGACCGAAAATTGAAGAGACCCTCCAAGCTGCGATGCCCCAGGTATC  
CTATCGAGTGCTGGGGAGAATGTTCTGGAGGGAAGAAAATGCTAAAGCAGCCTGTTAGAGCTCACTGGG  
GCAGTGGATTACTCCCTGATACCCAGGGAGATGCCAGGCAAAGGAGGGCTCTGGAAAGTGGTGTAAAC  
CCCCCACTCCGACGCAGTTTTTTGGAAAGGCTGCACCTCTTTCTAGCTAGGGAAGGGTGGACCGTGCA  
AGATGTTGCTCGTGTGCTGGGTTTCAGAACCCTGCTCCAGCTCCAGGCCGGAAATGCCAGCAGAGATG  
CTCAACTATATTTGGATAATGTTATTCAACCTCTTGTGAGTCCATATGGTATAAGAAGCTGACGTTAT  
TCTCCGGGAAGGACATCCCGGCCCTGGCGAGGAAACCTTTGATTCTGGCTGGAGCACTCAAATGAAAT  
CATAGAGGAATGGCAGGTGTCGGATATAGAAAAGAGACGGCGGTTGATGGAGAGTTTGGAGGCCCGCT  
GCTGACGTCATCCGCATCCTCAAGACCAACAACGCCGCATAACGACCCGAGAATGCCTGAAGGCTCTTG  
AGCAGGTCTTTGGGAGTGTGGAGAGCTCTAGAGATGCACAGGTGAGATTCTGAACACTTACCAGAACCC  
AGGAGAAAAGTTATCTTCGTATGTTATCCGTCTGGAGCCTCTGCTGCAAAGGTAGTAGACAAGGGGTC  
ATTGATAAAGATAACGTGAACCAAGGCTCGCTTGGAGCAGGTATCGCTGGGGCTAACCACAGTGGGGCC  
TCCGAAGGCAGTTGTGGCTGGCCGGGGCTGAGGAAGGGCTGCACCAACCTCTCCAGTTACTGGTGCA  
GATTCGAGAGGAGGAAGCAAGAAGGAGGAGGAGGAGGCCGAGCCGCCCTCTTGCAGCTAGGCCTGGAG  
GGGCACTTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



**Protein Sequence:** >MG216844 representing NM\_027438  
 Red=Cloning site Green=Tags(s)

MAMTLLDWCRCMDVNSQRALLVWGI PVNCDETEIEETLQAAMPQVSYRVLGRMFWREENAKAALLELTG  
 AVDYSLIIPREMPGKGLWKVVKPPTSDAVFLERLHLFLAREGWTVDVARVLGFQNPAPAPGPMPAPAE  
 LNYILDNVIQPLVESIWKKLTLSFGKDIPGPEETFDWSLEHSNEIEEWQVSDIEKRRRLMESLRGPA  
 ADVIRILKTNNAAITTAECKALEQVFGSVSSRDAQVRFNLNTYQNPGEKLSYVIRLEPLLQKVVDKGV  
 IDKDNVNQARLEQVIAGANHSALRRQLWLAGAEEGPAPNLFQLLVQIREEEAKKEEEEAEALLQLGLE  
 GHF

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_027438

**ORF Size:** 1059 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_027438.3](#), [NP\\_081714.2](#)

**RefSeq Size:** 2360 bp

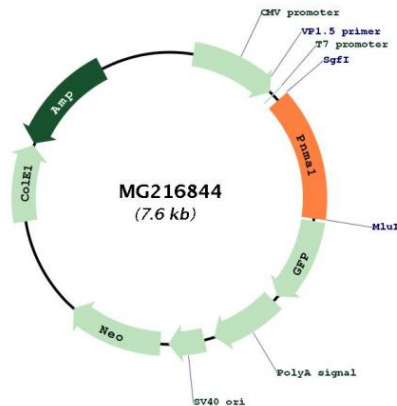
**RefSeq ORF:** 1062 bp

**Locus ID:** 70481

**UniProt ID:** [Q8C1C8](#)

**Cytogenetics:** 12 D1

### Product images:



Circular map for MG216844