

## Product datasheet for **MG216236**

### **Pnma5 (NM\_001100461) Mouse Tagged ORF Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	TurboGFP
<b>Symbol:</b>	Pnma5
<b>Synonyms:</b>	mKIAA1934
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-AC-GFP (PS100010)
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)



**ORF Nucleotide Sequence:** >MG216236 representing NM\_001100461  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGCCCGTGGCTCTATTAGATGACTGGTGAAGGGGATGGATCTGGATCCCAAGAAGGCTGTGCTCATTG  
 TGGCATCCCCGTGCAGTACACTGAGGCTGCGATAAATGATGCTCTGAAAAGAAGGCTTACCTCCCTTGTG  
 TGCATACAAGGTGATAGGCAGGATGTTTCAGGAGGGAAGATGAAGCTAAGGCAGTCTTAATTGAAGTGCCT  
 GAAGTTGTTGATTATACTATGATGCCTACTCATATACCAGCAGAGGGTGGGGCCTGGGAAGTGGTTGTCA  
 AACCCCGTAGCCAGATGATGAGTTATGAATAAGTTGATCTACTTTCTAAGAGATGAAGGACGGAGAAT  
 AGTAGATGTGGCCAAAGCCCTGGGGTTTAGCACTGTTCTACAGGGAAAATAGAGTTAAAGAATTTAGAC  
 CAAGACAAACAAAAGGCTTGAAGTCTCTGTGTAATAATAGCACATGTTACAAAAAACTGAAAGTATTTT  
 CTGGCAGTCCCTTCCAGGCCAGGAGAAGAAAGCTTTGAAACCTGGTTAGAGGAGGTCAGTGAAGTGTG  
 GCAGTTATGGCAGGTGTCCGAGAGGAAAAGAAGCAGTGCCTTCTAGAGAGCTTGCCTGGCTCTGCCCTG  
 TCAATCATGACGGCACTGTGGACTAGCAATGACTCCCTAACCGTGGAGCAGTGTGAAAGCCCTAAAGC  
 ACATCTTTGGAAAATAAGAGGACTCTAAGGTCTTACAGTTCAGGTTCTTCAGTCTTCTCAGAAAACCTGC  
 AGAGAAGGTATCTGACTACTTGTACTGTTAGAGCCCTGCTGCAAAAAGCAGTGCAGCAGAGCCCACTG  
 TCAGCACACAGTGCAGATCAATTCGTCTCAAGCAGTCTTATCTCAGGTCCTCATGACCACTGGCCTTC  
 GGGGAAAGCTCTCCCTCTTAGATCAGCAAGGGTGCCACCTACTTTTCTGGAATTAATGAAACTTACTCG  
 AGACGAGGAAGAGTGGGAAAGCACTGTGGTGTAGTGGAGGAGCAGGAGCAGGTACGAAGGGACAGCAGCGCA  
 TGTGAGGCGGCAATGAAGTTGTCAACCAGGCAGAGGATTCTAGGGAGGTCAGCACCCAGACCACAGGAG  
 AGGAGATGACATCAGTGAACCGAGGCGACTGCTCTGGAGACACAGTGTGGGAAGAGGGACAGAGGAA  
 GGAATCAGGTTTCTGGGCTGAAAGTGAACCCGATGAGCAGAAAACCTTATGTTAGAGCACAGGAGTCGGGG  
 AACGAGAGAGGGGCTTGGGCAGTGAACCACCTAACCCCAAGGAAAATAGAGGCTCAGGACAGCCAGGAAT  
 TCCTTCTGTGGCAGGCAACAGAGATACTTTGACAAAATCATGGGGCAGCCAGACAAAAGGAACAGGGGA  
 CATGAGTGTGAGAAGGGCAACAGGGCCAGGGTAAGGCACCACTTCTTACTAGCTAGAAATGATCCC  
 AACCAAGCAAGAAACAAATTCACACAGCTCAGTACTACCAAAATGGCAGGACCCGTGGGGAGTGTGAGAGAC  
 TGAAATGGGGAGCTAGTATGATAAAGTAGACCACAGGGTAATCCAGACCCGAGTGGGATACTAGTGGGTC  
 ACAAGATGGTGAAGATGGGTGTTCTGAGCTAAGAATGCCCACTGGCACTGAAGCAGCACAGGGTGTGGAG  
 GAGCTGCCACAGGTTGTCTTGGGACAGGACACCAGTGCCTGGGAACAGCAGGCTAGGCAGGGGAGA  
 CAGTACCCAGGAGAGGAGGCCGAGGATCCAGCCTGTCTTCCAGGATCATCTACACAGCTCTAGGGGAGCC  
 CCATGAGGGCAGCACCCCTTGTGTCCTTTCGTGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG216236 representing NM\_001100461  
 Red=Cloning site Green=Tags(s)

MAVALLDDWCKGMDLDPKKAVLIVGIPVQYTEAAINDALKEGLPPLCAYKVIGRMFRREDEAKAVLIELP  
 EVVDYTMMPHTHIPAEGGAWEVVVKPRSPDDEFMNKLIYFLRDEGRRIVDVAKALGFSTVPTGKIELKNLD  
 QDKPKGLKSLCANNSTCYKCLKVFSGSPFPGPEESFETWLEEVTELMQLWQVSEREKQCLLESRLRSAL  
 SIMQALWTSNDSL TVEQCLKALKHIFGNKEDSKVLQFRFLQSSQKPAEKVSDYLLRLEPLLQKAVQQSPL  
 SAHSADSIRLKHVLSQVSMITGLRGKLSLLDQQGCPPTFLELMKL TRDEEEWESTVVVEEQEQRVRRDSSA  
 CEAANEVVTQAEDSREVSTQTTGEEMTSVKRRRLLWRHSAGEEGQRKESGFWAESEPEQKPYVRAQESG  
 NERGAWAVSHPNPKEIEAQDSQEFLLPVAGNRDITLTKSWGSPDKGTGDMVAEQGGQKAPNFFLLARNDP  
 NKQEIQPHSSVTTKWQDRGECQRLKWGASMITRQGNPDRSWDTSGSQDGEDGCSSELRMPTGTEAAQGV  
 EPATGLSWAEDTSAWEQARLGRETVPRRGGRIQPVFRIIYALGEPHEGSTLESFRE

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001100461

**ORF Size:** 1854 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).

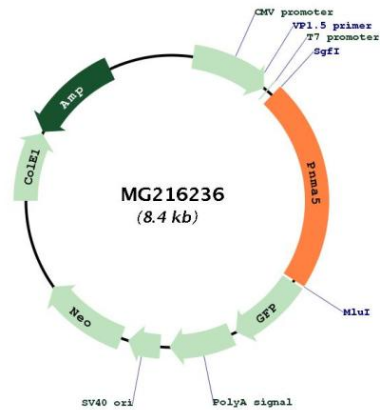
**Reconstitution Method:**

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\\_001100461.3](#), [NP\\_001093931.1](#)

RefSeq Size:	2280 bp
RefSeq ORF:	1857 bp
Locus ID:	385377
UniProt ID:	<a href="#">Q5DTT8</a>
Cytogenetics:	X A7.3

**Product images:**

Circular map for MG216236