

## Product datasheet for **SC115266**

### PNMA3 (NM\_013364) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PNMA3 (NM_013364) Human Untagged Clone
Tag:	Tag Free
Symbol:	PNMA3
Synonyms:	MA3; MA5
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC115266 sequence for NM\_013364 edited (data generated by NextGen Sequencing)

```

ATGCCGTTGACCTTGTTACAGGACTGGTGTGCGGGGGAACACCTGAACACCCGGAGGTGC
ATGCTCATCTGGGGATCCCCGAGGACTGTGGCGAGGATGAGTTTGAGGAGACACTCCAG
GAGGCTTGACGGCACCTGGGCAGATACAGGGTGATTGGCAGGATGTTTAGGAGGGAGGAG
AACGCCAGGCGATTCTACTGGAGCTGGCACAAGATATCGACTATGCTTTGCTCCCAAGG
GAAATACCAGGAAAGGGGGCCCTGGGAAGTGATTGTAACCCCGTAACTCAGATGGG
GAATTTCTCAACAGACTGAACCGCTTCTTAGAGGAGGAGAGGCGGACCGTGTAGATATG
AACCGAGTCTCGGGTCGGACACCAATTGTTTCGGCTCCAAGAGTACTATATCACAGAG
TTCTGGACCTGGGCCAGACTCTGGGGCAGCAGTGCAGCCTCTGCTAGAACAAATGTTG
TACCGAGAACTAAGAGTGTCTTCTGGGAACACCATATCCATCCCAGGTGCACTGGCCTTT
GATGCCTGGCTTGAGCACACCACTGAGATGCTACAGATGTGCAGGTGCCCGAGGGGAA
AAGAGGCGGAGGCTGATGGAATGCTTACGGGGCCCTGCTCAGGTGGTCAAGTGGGCTC
CGGGCCAGCAATGCTTCCATAACTGTGGAGGAGTCCCTGGCTGCCTTGCAGCAGGTGTC
GGACCTGTGGAGAGCCATAAAATTGCCAGGTGAAGTTGTGTAAGCCTATCAGGAGGCA
GGAGAGAAAGTATCTAGCTTTGTGTACGTTTGAACCCCTGCTCCAAGAGCTGTAGAA
AACAAATGTGGTATCACGTAGAAACGTGAATCAGACTCGCCTGAAACGAGTCTTAAGTGGG
GCCACCCTTCTGACAACTCCGAGATAAGCTTAAGCTGATGAAACAGCGAAGGAAGCCT
CCTGGTTTCTGGCCCTGGTGAAGCTCCTGCGTGAGGAGGAGGAATGGGAGGCCACTTTA
GGTCCAGATAGGGAGAGTCTGGAGGGGCTGGAAGTAGCCCAAGGCCACCTGCCAGGATC
ACTGGGTTGGGGCAGTACCTCTCCCTGCTTGGCAACAGTTTTGATGCGAGGCCTTCC
CAGGGCTACCGGCGCCGGAGGGGAGAGGCCAACACCGAAGGGTGGTGTGGCAAGGGCT
GGCTCTCGAGGCTCAAGAAAACGAAAACGCCACACATTGCTATAGCTGTGGGAAAGAC
GGCCACATCAGGGTACAGTGCATCAACCCCTCCAACCTGCTCTTGGTAAAGCAGAAGAAA
CAGGCTGCAGTTGAGTCGGGAAACGGAACTGGGCTTGGGACAAGAGCCATCCCAAGTCC
AAGGCCAAGTAG
    
```

Clone variation with respect to NM\_013364.4  
1130 t=>c

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_013364 unedited

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GGGGGGGGGGNCCCNNTTTCCCCCCCCCGTTCAAATTTGTATACGACTCACTA
TAGGGCGCGCGNAATTCGCACGAGGTCTCCCGNACGACGCGGAGGGTCCGCGTGCAC
CGCCGCGCGCCCCCGCCCGTGTCCGCACTGCAGAGAGCCGCGGCGAGCAGGCGCCGGC
GCACTGGCCACGTGCTGCGCGAGCGAGGGAGGCCACAGTCTGAGCGAACGTCCGCGT
GGGAGCCAGGGGTGCCGACCCCGTCCGCGCCGCGCCGCGCCGCGCATAGCCCCG
GAGAGCCCTCTGGGACCCGACCAGAAGGGACCTTGCCCTGGGAGAAGGCTGTGGAGAC
CTGGGCCCTTCTGCGATACCCCTAGGAGTTGATCCAGATATGTGCCTCACGCCCTGATCAC
TCCCCCAAATAGTATCCGCAGAGATTCGAGGACATGCCGTTGACCTTGTACAGGACT
GGTGTGCGGGGGAACACCTGAACACCCGGAGGTGCATGCTCATCTGGGGATCCCCGAGG
ACTGTGGCGAGGATGAGTTTGGAGGACTCCAGGAGGCTTGCAGGCACCTGGGCAGAT
ACAGGGTGATTGGCAGGATGTTTAGGAGGGAGGAGAACGCCAGGCGATTCTACTGGAGC
TGGCACAAGATATCGACTATGCTTTGCTCCAAGGAAATACCAGGAAAGGGGGCCCT
GGGAAGTGATTGTAACACCCGTAACACTCAGATGGGGAATTTCTCAACAGACTGAACCGCT
TCTTAAAGGAGGAAAGGCGNCCCGTGTGATATGAACCGAGTCTCGGGTCGGACACCA
ATTGTTCCGGTCCAGAAGTGACTATATACCCGAGTTTTTGAACCTGGGCCAGACTCTT
GGGGGCAGCAGGGCCACCTCTGGTGAACACAGGTTGGACCGAAAAATAGAGAGGGTTTCG
    
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**Gene Summary:**

The protein encoded by this gene belongs to the paraneoplastic antigen MA (PNMA) family, which shares homology with retroviral Gag proteins. The PNMA antigens are highly expressed in the brain and also in a range of tumors associated with serious neurological phenotypes. PMID:16407312 reports the presence of a functional -1 ribosomal frameshift signal (consisting of a heptanucleotide shift motif followed 3' by a pseudoknot structure) in this gene, however, the frame-shifted product has not been characterized. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2013]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.