

Product datasheet for **SC317759**

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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC317759 representing NM_013364.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGCCGTTGACCTTGTACAGGACTGGTGTGGGGGGAACACCTGAACACCCGGAGGTGCATGCTCATC
CTGGGGATCCCCGAGGACTGTGGCGAGGATGAGTTTGGAGAGACTCCAGGAGGCTTGAGGCACCTG
GGCAGATACAGGGTGATTGGCAGGATGTTTAGGAGGGAGGAGAACGCCAGGCGATTCTACTGGAGCTG
GCACAAGATATCGACTATGCTTTGCTCCCAAGGAAATACCAGGAAAGGGGGGCCCTGGGAAGTGATT
GTAAAACCCCGTAACTCAGATGGGGAATTTCTCAACAGACTGAACCGCTTCTTAGAGGAGGAGAGGCGG
ACCGTGTGAGATGAACCGAGTCTCGGGTCGGACACCAATTGTTGGCTCCAAGAGTGACTATATCA
CCAGAGTTCTGGACCTGGGCCAGACTCTGGGGCAGCAGTGCAGCCTCTGCTAGAACAAATGTTGTAC
CGAGAATAAGAGTGTTTTCTGGGAACACCATATCCATCCAGGTGCACTGGCCTTGTATGCCTGGCTT
GAGCACACCACTGAGATGCTACAGATGTGGCAGGTGCCGAGGGGAAAAGAGGGCGGAGGCTGATGGAA
TGCTTACGGGGCCCTGCTCTCCAGTGGTCACTGGGCTCCGGGCCAGCAATGCTTCCATAACTGTGGAG
GAGTGCCTGGCTGCCTTGCAAGCAGGTGTTCCGACCTGTGGAGAGCCATAAAATTGCCAGGTGAAGTTG
TGTAAGCCTATCAGGAGGCAGGAGAGAAAGTATCTAGCTTTGTGTTACGTTTGGAAACCCCTGCTCCAA
AGAGCTGTAGAAAACAATGTGGTATCACGTAGAAACGTGAATCAGACTCGCCTGAAACGAGTCTTAAGT
GGGGCCACCTTCTGACAACTCCGAGATAAGCTTAAGCTGATGAAACAGCGAAGGAAGCCTCCTGGT
TTCCTGGCCCTGGTGAAGCTCCTGCGTGAGGAGGAGGAATGGGAGGCCACTTTAGGTCCAGATAGGGAG
AGTCTGGAGGGGTGGAAGTAGCCCCAAGGCCACTGCCAGGATCACTGGGGTGGGGCAGTACCTCTC
CCTGCCTCTGGCAACAGTTTTGATGCGAGGCCTTCCCAGGGCTACCGGCCCGGAGGGGCGAGAGGCCAA
CACCGAAGGGGTGTTGTGGCAAGGGCTGGCTCTCGAGGCTCAAGAAAACGGAAACGCCACACATTCTGC
TATAGCTGTGGGGAAGACGGCCACATCAGGGTACAGTGCATCAACCCCTCCAACCTGCTCTTGGTAAAG
CAGAAGAAACAGGCTGCAGTTGAGTCGGGAAACGGGAACTGGGCTTGGACAAGGCCATCCCAAGTCC
AAGGCCAAGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-MluI

ACCN: NM_013364

Insert Size: 1392 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_013364.5](#)

RefSeq Size: 3768 bp

RefSeq ORF: 1392 bp

Locus ID: 29944

UniProt ID: [Q9UL41](#)

Cytogenetics: Xq28

Domains: zf-CCHC

MW: 52.4 kDa

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.