

## Product datasheet for SC336224

### PNMA3 (NM\_001282535) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PNMA3 (NM_001282535) 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)
Fully Sequenced ORF:	>SC336224 representing NM_001282535. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCCGCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCGTTGACCTTGTTACAGGACTGGTGTGGGGGGAACACCTGAACACCCGGAGGTGCATGCTCATC
CTGGGGATCCCCGAGGACTGTGGCGAGGATGAGTTTGGAGAGACTCCAGGAGGCTTGCAGGCACCTG
GGCAGATACAGGGTATTGGCAGGATGTTAGGAGGGAGGAGAACGCCAGGCGATTCTACTGGAGCTG
GCACAAGATACGACTATGCTTTGCTCCCAAGGAAATACCAGGAAAGGGGGGCCCTGGGAAGTGATT
GTAAAACCCCGTAACTCAGATGGGAATTTCTCAACAGACTGAACCGCTTCTAGAGGAGGAGAGCGG
ACCGTGTGAGATGAACCGAGTCTCGGGTGGACACCAATTGTTCCGGCTCCAAGAGTGACTATATCA
CCAGAGTTCTGGACCTGGGCCAGACTCTGGGGCAGCAGTGCAGCCTCTGCTAGAACAAATGTTGTAC
CGAGAATAAGAGTGTTTTCTGGGAACCCATATCCATCCAGGTGCACTGGCCTTTGATGCCTGGCTT
GAGCACACCACTGAGATGCTACAGATGTGGCAGGTGCCGAGGGGAAAAAGAGGCGGAGGCTGATGGAA
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GAGTGCCTGGCTGCCTTGACAGGAGTGTTCGGACCTGTGGAGAGCCATAAAATGGCCAGGTGAAGTTG
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CCTGCCTCTGGCAACAGTTTTGATGCGAGGCTTCCCAGGGCTACCGGCCCGGAGGGGCAGAGGCCAA
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TATAGCTGTGGGAAGACGGCCACATCAGGGTACAGTGCATCAACCCCTCCAACCTGCTCTTGGCCAA
GAGACAAAAGAGATATTGGAAGGAGGGGAAAGAGAAGCCAGACAAACAGCAGATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001282535
<b>Insert Size:</b>	1368 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001282535.1</a>
<b>RefSeq Size:</b>	3647 bp
<b>RefSeq ORF:</b>	1368 bp
<b>Locus ID:</b>	29944
<b>UniProt ID:</b>	<a href="#">Q9UL41</a>
<b>Cytogenetics:</b>	Xq28
<b>MW:</b>	51.5 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) is alternatively spliced in the 3' coding region, which results in a frame-shift compared to variant 1. The resulting isoform (2) is shorter with a distinct C-terminus compared to 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.</p>