

Product datasheet for **SC323981**

PNMA1 (NM_006029) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PNMA1 (NM_006029) Human Untagged Clone
Tag:	Tag Free
Symbol:	PNMA1
Synonyms:	MA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_006029.4
 TGGGTGGTCTGTCTGGTATTGTTCTAAGGCCAGGAGCACGGTGAGCCACAGTCTGTTGG
 TAGAATTTGGCGTCTTGATAGTTGAGAAAATGGCGATGACACTGTTGGAAGACTGGTGCC
 GGGGATGGATGTGAACCTCCAGAGAGCTCTGTTAGTCTGGGGCATCCCAGTGAACCTGTG
 ATGAGGCTGAAATCGAAGAGACCCTCCAGGCTGCGATGCCCCAGGTCTCCTACCGAATGC
 TTGGGAGAATGTTCTGGAGGGAAGAAAAATGCGAAAAGCAGCCTTATTAGAGCTCACTGGCG
 CTGTAGATTACGCCCGCATCCCCAGGGAGATGCCGGGCAAGGAGGGGTCTGGAAGTGT
 TATTTAAGCCCCCAACTTCTGATGCTGAATTTTTAGAAAAGATTGCACCTTCTCTAGCTA
 GAGAGGGGTGGACCGTGAAGATGTTGCCCGTGTCTTGGGTTTTAGAACCTACTCCGA
 CCCCCGGGCCAGAGATGCCAGCAGAGATGCTAACTATATTTTGGATAATGTTATTCAGC
 CTCTTGTGAGTCCATATGGTACAAGAGGCTGACACTTTTCTCGGGGAGGGACATCCCAG
 GGCCTGGAGAGGAAACCTTTGATCCCTGGCTGGAGCACACTAATGAGGTCTAGAGGAGT
 GGCAGGTGTCGATGTAGAAAAGAGGCGGCGGTTGATGGAGAGTCTTAGAGGCCCGCCG
 CTGATGTTATTGCATCCTTAAGTCCAACAACCCCGCGATAACCCTGCCGAATGCCTGA
 AGGCGCTTGAGCAGGTGTTTGGGAGCGTTGAGAGCTCTAGGGATGCCAGATCAAATTC
 TGAACACTTATCAGAACCCGGGAGAAAAATGTTCTGCTTATGTCATTGCTCTGGAGCCTC
 TGCTACAGAAGGTGGTAGAGAAGGGGGCCATTGATAAAGATAATGTGAACCAGGCCCGCC
 TAGAGCAGGTCAATGCCGGGGCCAAACCACAGCGGGGCCATCCGAAGGCAGCTGTGGCTTA
 CCGGGGCTGGGAAGGGCCAGCCCCAAACCTCTTTCAGTTGCTGGTGCAGATCCGTGAGG
 AGGAAGCCAAGGAGGAGGAGGAGGAGGCTGAGGCCACCTTCTGCAGTTAGGCCTGGAAG
 GGCCTTCTGAGTGCCAGGAAAGGCAGCTTTAGTGCAGACCTAGATCACAGCTACTTTTC
 TTGTCCCTGTGGGTCTTACAGATGTGTCTCTGAGTAGTAAAGGCTTAGCCTTGTCTGT
 TTTGTTGTTTTTGGAGGGGAAGTTAGTCAGGCCTGAGTATTCATGTAACATTCTAAAA
 TTGTGCCAGCGAGCACCGTGAACGACTGCAATGCAAGCGGGTCTTGTGGCTAAAAATGCC
 AGGTAAAGGGTGGTGGACACAGCGCTTGTGACGCTGTCATCATGGACATCATAATC
 AGTTGTGAAAAACACGCGAACCTATGACACTTCTTATTCCACACTGAATGTGAAATTGCA
 TGTTTCAGATGTTTACTACGAGGCTGGCTCACAGGAAAGTTCAGTAAAAGTATGCACTG
 TTAGATTACTGATAACGCGGATAGATTTTTGTTTACCATAAATGTTCCAGATTTATATT
 AATGGAAGGAAGTGTGATTTATTAGCTATTACTCACTTTACAATGCAAACATCTTATT
 TCTCATCTTAAACATGTCGACAAGTTAATTGAAAAGTATTCTGAGACTGCAAAATGGG
 GTGTTAAAAAATACTGCAGTTACGGAGCTGTGTAACCAGTTTCTCATTGCATAAGATAC
 AGATGTAATTCATGGAGAGGTTGATATGCACCTGTACAGTAATCACTCCCCCATTTTC
 ACATCTTTGTGAGAGAATAGTTCTTGTTCATACTGAGTGTCTAAATTTGAAGTTATATA
 TACAAATTAATATTTTAAAAATTCAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_006029

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_006029.4](#), [NP_006020.4](#)

RefSeq Size: 2666 bp

RefSeq ORF: 1062 bp

Locus ID: 9240

UniProt ID: [Q8ND90](#)

Cytogenetics: 14q24.3

Gene Summary: This gene encodes a neuron- and testis-specific protein that is also expressed in some paraneoplastic syndromes affecting the nervous system. Some patients with neurologic disorders develop antibodies against the protein encoded by this gene. The identification of the antineuronal antibodies in the sera of these patients has facilitated the diagnosis of paraneoplastic neurological disorders and the early detection of the associated tumors. [provided by RefSeq, Feb 2014]