

Product datasheet for **RG208021**

PNMA1 (NM_006029) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PNMA1 (NM_006029) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PNMA1
Synonyms:	MA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208021 representing NM_006029 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCGATGACACTGTTGGAAGACTGGTGCCGGGGATGGATGTGAACCTCCAGAGAGCTCTGTTAGTCT
GGGGCATCCCAGTGAACGTGATGAGGCTGAAATCGAAGAGACCCTCCAGGCTGCGATGCCCCAGGTCTC
CTACCGAATGCTTGGGAGAATGTTCTGGAGGGAAGAAAATGCGAAAGCAGCCTTATTAGAGCTCACTGGC
GCTGTAGATTACGCCGCGATCCCAGGGAGATGCCGGGCAAAGGAGGGGTCTGAAAAGTGTATTTAAGC
CCCCAACTTCTGATGCTGAATTTTGTAAAGATTGCACCTCTTCTAGCTAGAGAGGGGTGGACCGTGCA
AGATGTTGCCCGTGTCTTGGGTTTCAGAACCTACTCCGACCCCGGCCAGAGATGCCAGCAGAGATG
CTAAACTATATTTGGATAATGTTATTCAGCCTCTTGTGAGTCCATATGGTACAAGAGGCTGACACTTT
TCTCGGGGAGGGACATCCCAGGGCCTGGAGAGGAAACCTTTGATCCCTGGCTGGAGCACACTAATGAGGT
CCTAGAGGAGTGGCAGGTGTCCGATGTAGAAAAGAGGCGGCGTTGATGGAGAGTCTTAGAGGCCCGCC
GCTGATGTTATTCGCATCCTTAAGTCCAACAACCCGCGATAACCACTGCCGAATGCCGTAAGGCGCTTG
AGCAGGTGTTTGGGAGCGTTGAGAGCTCTAGGGATGCCAGATCAAATTTCTGAACACTATCAGAACCC
GGGAGAAAAATTGCTGCTTATGTCATTCGTCTGGAGCCTCTGCTACAGAAGGTGGTAGAGAAGGGGGCC
ATTGATAAAGATAATGTGAACAGGCCCGCCTAGAGCAGGTCAATGCCGGGGCCAACCACAGCGGGGCCA
TCCGAAGGCAGCTGTGGCTTACCGGGGCTGGGGAAGGGCCAGCCCCAAACCTCTTTCAGTTGCTGGTGCA
GATCCGTGAGGAGGAAGCCAAGGAGGAGGAGGAGGAGGCTGAGGCCACCTTCTGCAGTTAGGCCTGGAA
GGGCACTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG208021 representing NM_006029
 Red=Cloning site Green=Tags(s)

MAMTLLLEDWCRGMDVNSQRALLVWGIPVNCDEAEIETLQAAMPQVSYRMLGRMFWREENAKAALLELTG
 AVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVDVARVLGFQNPPTPGPEMPAEM
 LNYILDNVIQPLVESIWKRLTLFSGRDIPGPGEETFDPWLEHTNEVLEEWQVSDVEKRRRLMESLRGPA
 ADVIRILKSNNPAITTAECLEKALEQVFGSVSSRDAQIKFLNTYQNPGEKLSAYVIRLEPLLQKVVEKGA
 IDKDNVNQARLEQVIAGANHSGAIRRLWLTGAGEGPAPNLFQLLVQIREEEAKEEEEEAEATLLQLGLE
 GHF

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_006029

ORF Size: 1059 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_006029.5](#)

RefSeq Size: 2666 bp

RefSeq ORF: 1062 bp

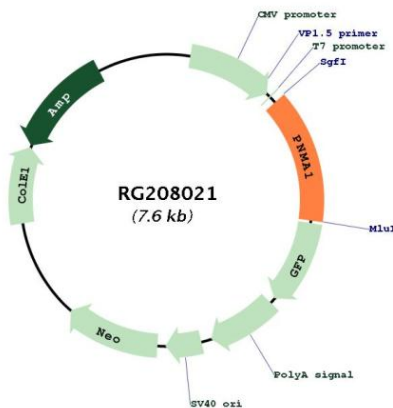
Locus ID: 9240

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]

Product images:



Circular map for RG208021