

Product datasheet for **RG216612**

PNMA6A (NM_032882) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PNMA6A (NM_032882) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PNMA6A
Synonyms:	MA6; PNMA6; PNMA6C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG216612 representing NM_032882 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGTGACCATGCTGCAGGACTGGTGCCGGTGGATGGGGTCAACGCTCGCAGGGCCCTGCTCATCC
TGGGCATCCCGGAGGACTGTGATGATGCCGAATCCAAGAGTCCCTCGAGGCTGCCCTGAGGCCTATGGG
ACACTTTACAGTGTAGGCAAAGCGTTTCGAGAGGAGGATAATGCCACCGCGGCCCTGGTCGAGCTCGAC
CGGAAGTCAACTATGCTTTGGTCCCAGGAAATCCCCGCACTGGGGCCCGTGAACGTGGTCTTTG
TGCCCCGTTGCTCAGGCGAGGAGTTTCTCGGTCTCGGTGCGGTGTCCACTTCCCGAGCAAGAGGGCA
GATGGTGGAGAGCGTGGCCGGCGCCCTGGGTGTGGGGCTGCGCAGGGTGTGCTGGCTGCGATCCATCGGT
CAGGCGGTCCAGCCCTGGGTGGAGGCCGTGAGGTGCCAGAGCCTGGGCGTGTTCGGGAGGGACAGC
CAGCCCCAGGGGAGGAGTCTTTGAGGTCTGGTAGACCACACCACCGAAATGCTGCATGTGTGGCAGGG
GGTCTCGGAAAGGGAGAGGAGGAGGAGGCTGCTGGAAGGCTTGCCTGGGACCGCCCTGCAGCTCGTGCAC
GCGCTCCTGGCGGAGAACCCCGCAGGACGGCGCAGGACTGTCTGGCGCCCTGGCCAGGTGTTTGAG
ACAACGAGTCCCAGGCGACCATCCGGTGAAGTGTCTGACCGCTCAGCAGCAGTCAGGCGAGCGTCTCTC
AGCTTTTCGTGTTGCGCTGGAAGTGTCTGCTGCAGAAGGCCATGGAGAAGGAGGCCCTGGCCAGAGCATCC
GCCAGCCGCTGCGCCTGAGGCAGATGCTCACCAGGGCCACTTACTGAGCCTTGATGAAGCACTGA
GGAAGCTGAGAATGGCCGGGAGGTCTCCAAGTTTCTGGAGATGCTGGGGCTCGTTCGGGAGTCTGAGGC
ATGGGAGGCCAGTCTAGCCAGGAGCGTGAGAGCCAGACACAGGAAGGGCCGGTCCCGGGCTGGTGCC
CAGGCTGTTGCCAGAGCCAGCACTAAAGTAGAGGCGGTCCAGGAGGTCCTGGTGGGAGCCAGAGGGCC
TCCTCCAGGCGAGGAGCCAGGAGGCTGAGGAGCTCCTCCAGGAGGGGCTCAAGCCGTCCTGGAGGAATG
TGATAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG216612 representing NM_032882
 Red=Cloning site Green=Tags(s)

MAVTMLQDWCRWGMGNARRGLLILGIPEDCDDAEFQESLEAALRPMGHFTVLGKAFREEDNATAALVELD
 REVNYALVPREIPGTGGPWNVVFVPRCSGEEFLGLGRVHFPEQEGQMVESVAGALGVGLRRVCWLRSIG
 QAVQPWVEAVRCQSLGVFSGRDQPAPGEESEFEVWLDHTTEMLHVWQGVSERERRRRLLEGLRGTALQLVH
 ALLAENPARTAQDCLAALAQVFGDNESQATIRVKCLTAQQQSGERLSAFVLRLEVLQKAMEKEALARAS
 ADRVRLRQMLTRAHLTEPLDEALRKLRMAGRSPSFLLEMLGLVRESEAWESLARSVRAQTQEGAGARAGA
 QAVARASTKVEAVPGGPGREPEGLLQAGGQEAELLQEGLKPVLEECDN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032882

ORF Size: 1197 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.

RefSeq: [NM_032882.6](#)

RefSeq Size: 2209 bp

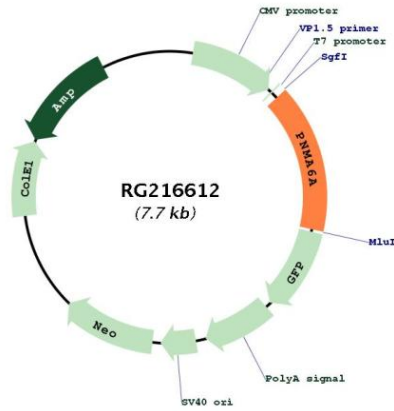
RefSeq ORF: 1200 bp

Locus ID: 84968

UniProt ID: [P0CW24](#)

Cytogenetics: Xq28

Product images:



Circular map for RG216612