

Product datasheet for **RG233979**

PNMA6D (NM_001242319) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	PNMA6D
Synonyms:	PNMA6D
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG233979 representing NM_001242319
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGTGACCATGCTGCAGGACTGGTGCCGGTGGATGGGGGTCAACGCTCGCAGGGGCCTGCTCATCC
TGGGCATCCCGGAGGACTGTGATGATGCCGAATTCGAAGAGTCCCTCGAGGCTGCCCTGAGGCCTATGGG
ACACTTTACAGTGCTAGGCAAGCGTTTCGAGAGGAGGATAATGCCACCGCGGCCCTGGTCGAGCTCGAC
CGGGAAGTCAACTATGCTTTGGTCCCAGGGAATCCCGGCACTGGGGCCCGTGGAACGTGGTCTTTG
TGCCCCGTTGCTCAGGCGAGGAGTTTCTCGGTCTCGGTGCGGTGTTCCACTTCCCGAGCAAGAGGGGCA
GATGGTGGAGAGCGTGGCCGGCGCCCTGGGTGTGGGGTGCAGGGTGTGCTGGCTGCGATCCATCGGT
CAGGCGGTCCAGCCCTGGGTGGAGGCCGTGAGGTGCCAGAGCCTGGGCGTGTTCGGGAGGGACCAGC
CAGCCCCAGGGGAGGAGTCCTTTGAGGTCTGGCTAGACCACACCACCGAAATGCTGCATGTGTGGCAGGG
GGTCTCGGAAAGGGAGAGGAGGAGGAGGCTGCTGGAAGGCTTGCGTGGGACCGCCCTGCAGCTCGTGCAC
GCGCTCCTGGCGGAGAACCCGCCAGGACGGCGCAGGACTGTCTGGCGGCCCTGGCCAGGTGTTTGGAG
ACAACGAGTCCCAGGCGACCATCCGGGTGAAGTGTCTGACCGCTCAGCAGCAGTCAGGCGAGCGTCTCTC
AGCTTTCGTGTTGCGGCTGGAAGTGTCTGCTGCAGAAGGCCATGGAGAAGGAGGCCCTGGCCAGAGCATCC
GCCGACCGCGTGCCTGAGGCAGATGCTCACCAGGGCCACCTTACTGAGCCTCTGGATGAAGCACTGA
GGAAGCTGAGAATGGCCGGGAGGTCTCCAAGTTTCTTGGAGATGCTGGGGCTCGTTCGGGAGTCTGAGGC
ATGGGAGGCCAGTCTAGCCAGGAGCGTGAGAGCCAGACAGGAAGGGGCCGGTCCCGGGCTGGTGCC
CAGGCTGTTGCCAGAGCCAGCACTAAAGTAGAGCGGTCCAGGAGGTCTGGTGGGAGCCAGAGGGCC
TCCTCCAGGAGGAGGCCAGGAGGCTGAGGAGCTCCTCCAGGAGGGCTCAAGCCCGTCTGGAGGAATG
TGATAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG233979 representing NM_001242319
 Red=Cloning site Green=Tags(s)

MAVTMLQDWCRWMGVNARRGLLILGIPEDCDDAEFQESLEAALRPMGHFTVLGKAFREEDNATAALVELD
 REVNYALVPREIPGTGGPWNVVFVPRCSGEEFLGLGRVFHFPEQEGQMVESVAGALGVGLRRVCWLSIG
 QAVQPWVEAVRCQSLGVFSGRDQPAPGEESFEVWLDHTTEMLHVWQGVSERERRRRLLEGLRGTLQLVH
 ALLAENPARTAQDCLAALAQVFGDNESQATIRVKCLTAQQQSGERLSAFVLRLEVLLQKAMEKEALARAS
 ADRVRLRQMLTRAHLTEPLDEALRKLRMAGRSPSFLEMLGLVRESEAWASLARSVRAQTQEGAGARAGA
 QAVARASTKVEAVPGGPGREPEGLLQAGGQEAELLQEGLKPVLEECDN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001242319

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001242319.1](#), [NP_001229248.1](#)

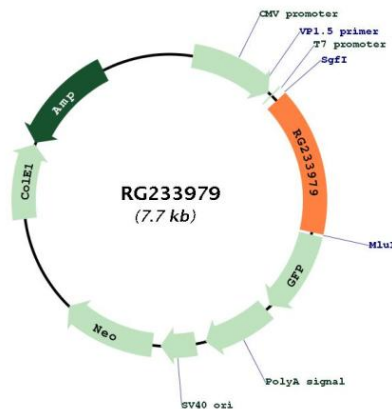
RefSeq Size: 1747 bp

RefSeq ORF: 1199 bp

Locus ID: 100287466

Cytogenetics: Xq28

Product images:



Circular map for RG233979