

Product datasheet for **RG218463**

PNMA8A (NM_001103149) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	PNMA8A
Synonyms:	PNMAL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG218463 representing NM_001103149
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCAAGACCATGGCGATGAACCTTCTGGAGGATTGGTGCAGGGGAATGGAAGTGGACATCCACAGGT
CCTTGTGGTGCACAGGCATCCAGAGGACTGTGGGCAGGCAGAAATTGAGGAGACCTTGAATGGGGTCTCT
CTCCCCACTGGGCCGTACCGCGTGCTCAACAAGATTTTGTGAGGGAAGAGAATGTTAAAGCTGCCCTC
ATTGAGTTGGTGAAGGTGTGAATCTGAGCACCATCCCCGTGAATCCCAGGAAGGGTGGTGTCTGGA
GAGTGGTCTGTAGAGACCTACCCAGGATGCCGAGTTTTTAAAAAATCTGAATGAATTCCTGGATGCCGA
GGGGCGCACCTGGGAGGATGTGGTCCGCTGCTCCAGCTCAACCACCCACCCTGTCCAGAACCCAGCAT
CAGCCCCAGAGAACTGGGCAGAAGCTCTGGGGTGCTTCTGGGAGCAGTGGTGCAGATCATCTTCTGCA
TGGATGCCGAGATCCGACGCCGGGAGGAAGCCAGGGCCAGGAGGCCGCTGAATTCGAGGAGATGGCAGC
CTGGGCTTTAGCAGCAGGGAGGAAGGTGAAGAAAGAACCGGGCTTGACAGCAGAGGTGGGTTCTGCCTTA
AAGGCAGAGACCCCAACAACCTGGAATGCCACGGAAGACCAGCATGAGCCTACCAAACCTTTGGTTCGCA
GGGCTGGAGCTAAGTCTCGCTCCAGGAGAAAGAAGCAGAAGAAGAACTCCAGGCAGGAAGCAGTGCCTG
GAAAAAACCAAGGCATCAATTCCAACAGCACAGCTAACTTGGAGGATCCTGAGGTGGTGATGCTGAA
AGCATGGCGATCTCAGAGCCGATCAAGGGCAGCAGAAAGCCCTGTGTGAATAAGGAGGAGTTGGCTTTGA
AGAAGCCCATGGCGAAATGTGCTGGAAGGGTCCAGAGAGCCACCTCAGGATGCCCGGGCAGAAGCCGA
GAGCCAGGAGGCCCTCTGAGTCAGACCAAGATGGTGGCCATGAAAGCCACCAAAGAAGAAGGCCGTG
GCCTGGGTGTCTGCCAAGAACCCGCTCCCATGAGGAAGAAGAAGAATCCAGAAAGTTTGATCTGG
GGGACCACCATAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



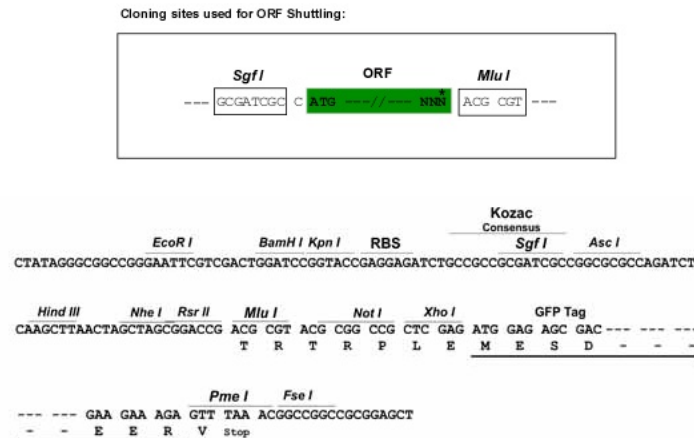
Protein Sequence: >RG218463 representing NM_001103149
Red=Cloning site Green=Tags(s)

MSKTMAMNLLDWCRCMEVDIHRSLLVGTGIPEDCGQAEIEETLNGVLSPLGPYRVLNKIFVREENVKAAL
IEVGEGVNLSTIPREFPGRGGVWRVCRDPTQDAEFLKNLNEFLDAEGRTWEDVVRLLQLNHPTLSQNQH
QPPENWAEALGVLLGAVVQIIIFCMDAIEIRSREEARAQEAEEFEEMAAWALAAGRKVKKKEPLAAEVGSAL
KAETPNWNATEDQHEPTKPLVRRAGAKSRSRKKQKKNSRQEAVPWKKPKGINSNSTANLEDPEVGDAE
SMAISEPIKGSRKPCVNKEELALKKPMACAWKGPREPPQDARAEAE SPGGASESDQDGGHESPPKKKAV
AWWSAKNPAPMRKKKKKNPERFDLGDHPY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001103149

ORF Size: 1134 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_001103149.1](#), [NP_001096619.1](#)

RefSeq Size: 3503 bp

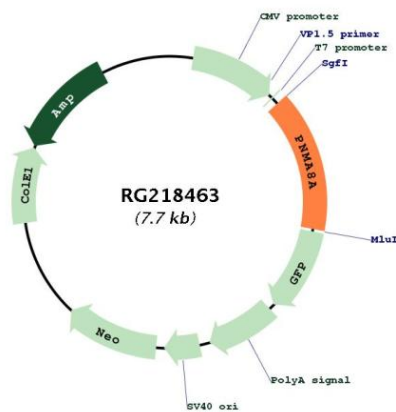
RefSeq ORF: 1137 bp

Locus ID: 55228

UniProt ID: [Q86V59](#)

Cytogenetics: 19q13.32

Product images:



Circular map for RG218463