

Product datasheet for **RG222181**

PABPC5 (NM_080832) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PABPC5 (NM_080832) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PABPC5
Synonyms:	PABP5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG222181 representing NM_080832 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGAGCGGGAGCCTAATCCTGCTGGCAAGAAAAAGAAGTATCTCAAGGCCGCTCTGTACGTGGGTG
 ACTTGGACCCAGATGTCACCGAGGACATGCTCTATAAGAAGTTCAGGCCCTGCTGGCCCTCTGCGATTAC
 CCGAATCTGCCGTGATCCGGTGACCCGACGCCCTGGGCTATGGGTATGTTAACTTCGCCTTTCCCGCG
 GATGCAGAGTGGCCTTGAACACCATGAATTTTGATTTGATTAAATGGAACCATTCCGCCTTATGTGGT
 CTCAGCCAGATGACCGCTTAAGAAAGTCTGGAGTGGGAAATATATTCATCAAAACCTGGACAAATCCAT
 AGACAATAGGGCCCTGTTTACTTATTTTCTGCTTTTGGGAACATTCTGTCCTGCAAAGTCGTATGCGAT
 GACAACGGCTCTAAGGGTTATGCCTATGTTCACTTTGACAGCCTGGCCGCTGCCAATAGAGCCATCTGGC
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 GGCTGAGGTGAGAACCAGGGATAGAGCAACTTTCACCAATGTTTTCGTTAAAAACATTGGAGACGACATA
 GATGACGAAAACTGAAGGAACCTTTCTGTGAATATGGGCCAACTGAGAGTGTTAAAGTAATAAGAGATG
 CCAGTGGGAAATCTAAAGCTTTGGATTTGTGAGATATGAGACACACGAGGCTGCCAAAAGGCTGTGCT
 AGACTTGATGGAAGTCCATCGATGGAAGTCTCTATGTAGGGCGAGCACAGAAGAAATTAAGCGC
 CTGGCTGAGTTGAGGCGGAGATTTGAACGGCTGAGGTTAAAGAAAAAAGTCGGCCCCAGGGGTGCCTA
 TCTATATTAAGAACTTGATGAGACAATCAATGATGAAAACTGAAGGAGGAATTTCTTCTTTGGGTC
 AATTAGTCGGGCCAAAGTGATGATGGAAGTGGGCAAGGCAAGGATTTGGTGTGGTCTGCTTTTCTCT
 TTTGAAGAGGCTACCAAAGCAGTGGATGAGATGAATGGCCGATAGTGGGCTCCAAGCCCTGCATGTCA
 CCCTGGGCCAGGCCAGGCGCAGGTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG222181 representing NM_080832
 Red=Cloning site Green=Tags(s)

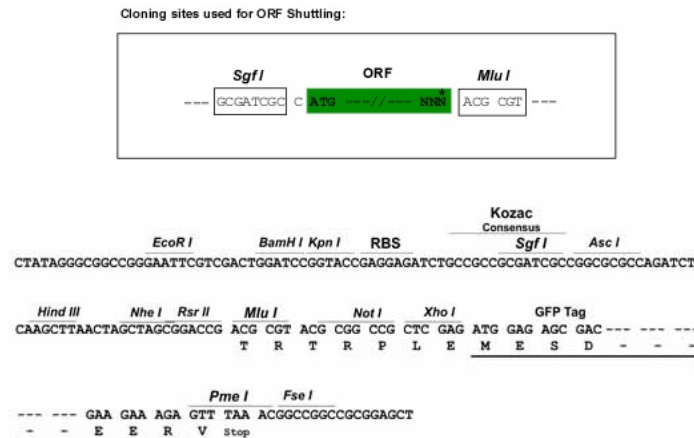
MGSGEPNPAGKKKKYLKAAALVVDLPDVTEDMLYKKFRPAGPLRFTRICRDPVTRSPLGYGVNFRFPA
 DAEWALNTMNFDLINGKPFRLMWSQPDRLRKSGVGNIFIKNLKSIDNRALFYLSAFGNILSCKVVCD
 DNGSKGYAYVHFDLSAAANRAIWHMNGVRLNNRQYVGRFKFPEERAAEVRTRDRATFTNVFVNIGDDI
 DDEKLKELFCEYGPTESVKVIRDSGKSGKGFVRYETHEAAQAVLDLHGKSIDGKVLVVGRAQKKIER
 LAELRRRFRRLRLKEKSRPPGVPIYIKNLDETINDEKLKEEFSSFGSISRAKVMMEVGQKGFGVVCSS
 FEEATKAVDEMNGRIVGSKPLHVTLGQARRRC

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_080832

ORF Size: 1146 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_080832.3](#)

RefSeq Size: 3521 bp

RefSeq ORF: 1149 bp

Locus ID: 140886

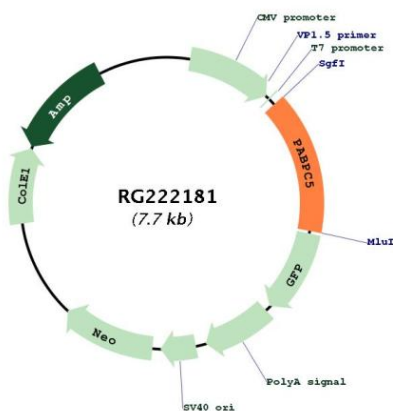
UniProt ID: [Q96DU9](#)

Cytogenetics: Xq21.31

Domains: RRM, RRM_1

Gene Summary: This gene encodes a protein that binds to the polyA tail found at the 3' end of most eukaryotic mRNAs. It is thought to play a role in the regulation of mRNA metabolic processes in the cytoplasm. This gene is located in a gene-poor region within the X-specific 13d-sY43 subinterval of the chromosome Xq21.3/Yp11.2 homology block. It is located close to translocation breakpoints associated with premature ovarian failure, and is therefore a potential candidate gene for this disorder. [provided by RefSeq, May 2010]

Product images:



Circular map for RG222181