

## Product datasheet for SC120370

### PABPC5 (NM\_080832) Human Untagged Clone

#### Product data:

|                           |                                                                                                   |
|---------------------------|---------------------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                               |
| Product Name:             | PABPC5 (NM_080832) Human Untagged Clone                                                           |
| Tag:                      | Tag Free                                                                                          |
| Symbol:                   | PABPC5                                                                                            |
| Synonyms:                 | PABP5                                                                                             |
| Mammalian Cell Selection: | None                                                                                              |
| Vector:                   | <u>pCMV6-XL4</u>                                                                                  |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                                            |
| Fully Sequenced ORF:      | >NCBI ORF sequence for NM_080832, the custom clone sequence may differ by one or more nucleotides |

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ATGGGGAGCGGGAGCCTAATCCTGCTGGCAAGAAAAAGAAGTATCTCAAGGCCGCTCTGTACGTGGGTG
ACTTGGACCCAGATGTCACCGAGGACATGCTCTATAAGAAGTTCAGGCCCTGCTGGCCCTCTGCGATTAC
CCGAATCTGCCGTGATCCGGTGACCCGACGCCCTGGGCTATGGGTATGTAACTTCGCTTTCCCGCG
GATGCAGAGTGGGCCTTGAAACCATGAATTTTGATTTGATTAATGGAACCATTCCGCCTTATGTGGT
CTCAGCCAGATGACCGCTTAAGAAAGTCTGGAGTGGGAAATATATTCATCAAAAACCTGGACAAATCCAT
AGACAATAGGGCCCTGTTTTACTTATTTTCTGCTTTTGGGAACATTCTGCTCTGCAAAGTCGTATGCGAT
GACAACGGCTCTAAGGGTTATGCCTATGTTCACTTTGACAGCCTGGCCGCTGCCAATAGAGCCATCTGGC
ACATGAATGGAGTGCGGCTCAACAACCGCCAGGTGTATGTTGGCAGATTCAAATCCCAGAAGAGCGGGC
GGCTGAGGTCAGAACAGGGATAGAGCAACTTTACCAATGTTTTCGTTAAAAACATTGGAGACGACATA
GATGACGAAAACTGAAGGAACTTTTCTGTGAATATGGGCCAACTGAGAGTGTTAAAGTAATAAGAGATG
CCAGTGGGAAATCTAAAGGCTTTGGATTGTGAGATATGAGACACACGAGGCTGCCAAAAGGCTGTGCT
AGACTTGCATGGAAGTCCATCGATGGAAGTCTCTATGTAGGGCGAGCACAGAAGAAAATGAACGC
CTGGCTGAGTTGAGGCGGAGATTTGAACGGCTGAGGTTAAAGAAAAAAGTCGGCCCCCAGGGGTGCCTA
TCTATATTAAGAACTTGATGAGACAATCAATGATGAAAACTGAAGGAGGAATTTCTTCCTTTGGGTC
AATTAGTCGGGCCAAAGTGATGATGGAAGTGGGCAAGGCAAGGATTTGGTGTGGTCTGCTTTTCCTCT
TTTGAAGAGGCTACCAAAGCAGTGATGAGATGAATGGCCGATAGTGGGCTCCAAGCCCCTGCATGTCA
CCCTGGGCCAGGCCAGGCGCAGGTGCTGA
  
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| <b>5' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 5' read for NM_080832 unedited</p> <p>TATAGGGCGGCCGCAATTTCGACGAGGCTCGAGCCTCAGGCTGCTGAAATACCGCGCC<br/> TCACTCGCCTCGACAGTGATTCTGAGTCTGCTTTTAGCTTCCTTTTGCCTGCCTTGGCTT<br/> TTTCTGTTCTGTGAACAGCTGTTTGGCCATAGCTTAGAGAAAGCAGCCTTTTTCTCTTC<br/> AAAGAGAACCTCCTCCCAGTGCTCAGAGAGATGGGGAGCGGGAGCCTAATCCTGCTGGC<br/> AAGAAAAAGAAGTATCTCAAGGCCGCTCTGTACGTGGTGACTTGGACCCAGATGTCACC<br/> GAGGACATGCTCTATAAGAAGTTCAGGCCTGCTGGCCCTCTGCGATTACCCGAATCTGC<br/> CGTGATCCGGTGACCCGAGCCCCCTGGGCTATGGGTATGTTAACTTCCGCTTTCCCGCG<br/> GATGCAGAGTGGGCCTTGAACACCATGAATTTTGATTTGATTAATGGAACCATTCCGC<br/> CTTATGTGGTCTCAGCCAGATGACCGCTTAAGAAAGTCTGGAGTGGAAATATATTCATC<br/> AAAACTGGACAAATCCATAGACAATAGGGCCCTGTTTACTTATTTTCTGCTTTTGGG<br/> AACATTCTGTCTGCANAGTCGTATGCGATGACAACGGCTCTAAGGGTTATGCCTATGTT<br/> CACTTTGACAGCCTGGCCGCTGCCAATAGAGCCATCTGGCACATGAATGGAGTGGCGCTC<br/> AACACCGNCAGGTGTATGTTGGCAGATTCAAATCCCAGAGAGCGGGCGGCTGAGGTCAG<br/> AACCAGGGATAGAGCAACTTTCACCATGGTTTCGTTAAACATTGGAGACGACNTAGATG<br/> ACGAAAAACTGAGGACTTTTCTGTGATATGGGCCAACTGANAGTGTTAAAGTATAGAGAT<br/> GCATGG</p> |
| <b>Restriction Sites:</b>           | NotI-NotI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ACCN:</b>                        | NM_080832                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Insert Size:</b>                 | 4000 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>OTI Disclaimer:</b>              | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Components:</b>                  | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Reconstitution Method:</b>       | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>RefSeq:</b>                      | <a href="#">NM_080832.1</a> , <a href="#">NP_543022.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq Size:</b>                 | 3521 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>RefSeq ORF:</b>                  | 1149 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Locus ID:</b>                    | 140886                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>UniProt ID:</b>                  | <a href="#">Q96DU9</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Cytogenetics:</b>                | Xq21.31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Domains:</b>                     | 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]