

## Product datasheet for SC116090

### PHAPI2 / APRIL (ANP32B) (NM\_006401) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PHAPI2 / APRIL (ANP32B) (NM_006401) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHAPI2 / APRIL
Synonyms:	APRIL; PHAPI2; SSP29
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116090 sequence for NM_006401 edited (data generated by NextGen Sequencing)

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ATGGACATGAAGAGGAGGATCCACCTGGAGCTGAGGAACCGGACCCCGGCAGCTGTTCTGA
GAACTTGTCTTGGACAATTGCAAATCAAATGATGGAAAAATTGAGGGCTTAACAGCTGAA
TTTGTGAACTTAGAGTTCCTCAGTTTAATAAATGTAGGCTTGATCTCAGTTTCAAATCTC
CCCAAGCTGCCTAAATTGAAAAAGCTTGAAGTCACTGAAATAGAATCTTTGGAGGTCTG
GACATGTTAGCTGAAAACTTCCAAATCTCACACATCTAACTTAAGTGGAAATAAACTG
AAAGATATCAGCACCTTGGAACTTTGAAAAAGTTAGAATGTCTGAAAAGCCTGGACCTC
TTAACTGTGAGGTTACCAACCTGAATGACTACCGAGAGAGTGTCTTCAAGCTCCTGCC
CAGCTTACCTACTTGGATGGCTATGACCGAGAGGACCAGGAAGCACCTGACTCAGATGCC
GAGGTGGATGGTGTGGATGAAGAGGAGGAGGACGAAGAAGGAGAAGATGAGGAAGACGAG
GACGATGAGGATGGTGAAGAAGAGGAGTTTGTGATGAAGAAGATGATGAAGATGAAGATGTA
GAAGGGGATGAGGACGACGATGAAGTCAGTGAGGAGGAAGAAGATTTGGACTTGATGAA
GAAGATGAAGATGAGGATGAGGATGAAGAGGAGGAAGAAGGTGGGAAAGGTGAAAAGAGG
AAGAGAGAAACAGATGATGAAGGAGAAGATGATTAA

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Clone variation with respect to NM\_006401.2



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_006401 unedited            TAATACGACTTACTATAGGGCGGCCGGAATTCGGCACGAGGGTAACTTGGCTCCGGGG            CTCGCTCGCCTGCCCGCACGCCGCCGCCACCCAGGACCGCGCCGGCCTCCGCCG            TAGCAAACCCCTCCGACGGCCCTCGCTGCGCAAGCCGGGACGCCCTCTCCCCCTCCGCC            CCGCCCGGAAAGTTAAGTTTGAAGAGGGGGGAAGAGGGGAACATGGACATGAAGAGGAG            GATCCACCTGGAGCTGAGGAACCGGACCCCGGCAGCTGTTGAGAAGTTGCTTGGACAA            TTGCAAAATCAAATGATGGAAAAATTGAGGGCTTAACAGCTGAATTTGTGAAGTTAGAGTT            CCTCAGTTTAAATAAATGTAGGCTTGATCTCAGTTTCAAATCTCCCAAGCTGCCTAAATT            GAAAAAGCTTGAAGTCAAGTGAATAAGAAATCTTTGGAGTCTGGACATGTTAGCTGAAAA            ACTTCAAATCTCACACATCTAACTTAAGTGGAAATAAACTGAAAGATATCAGCACCTT            GGAACCTTTGAAAAAGTTAGAATGTCTGAAAAGCCTGGACCTTTAACTGTGAGGTTAC            CAACCTGAATGACTACCGAGAGAGTGTCTTCAAGCTCCTGCCCGAGTTACCTACTTGG            TGGCTATGACCGAGAGGACCAGGAAGCACCTGACTCANNATGCCGAGTGGATGGTGTGGA            TGAAGAGGAGGAGACGAANAAGGAGAGATGAGGAAGACGAGGACGATGAGGATGGTGTG            AANNNAAGAGTTGATGAAAAAGATGATGAANATGAGATGTNNAAGGGGATGAGGACACNA            TGAAGTCGTGAGGAGAGAAGAATTTGACTTGTGAAAANATGANATGAGGTGAGGATGA            AAGGAGGAN</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_006401 unedited            TTTATGGACCCGCGCCGAATCTTNAAGTCGAGTTTTTTTTTTTTTTTTTAAATCCATG            AGCAGTCCATCCAATACTGAACAGTTCTGTTTCTGCAGGTCATCTGGGTCTTAATCATC            TTCTCCTTCATCATCTGTTTCTCTCTTCTTCCCTTTTCCACCTTCCACCTTCTTCTCCT            TTCATCCTCATCCTCATCTTCTTCTTCTCATCAAGTCCAAATCTTCTTCTCCTCACT            GACTTCATCGGCTCCTCATCCCCTTCTACATCTTCTCATCTTCTTCTTCTTCTTCTTCT            CTCTTCTTCTTACCATCCTCATCGTCCTCGTCTTCTCTCATCTTCTCCTTCTTCTGCTCT            CTCTTCTTCTTCCACCATCCACCTCGGCATCTGAGTCAGGTGCTTCTGGTCTCTCTCG            GTCATAGCCATCCAAGTAGGTAAGCTGGGGCAGGAGCTTGAAGACACTCTCTCGGTAGTC            ATTCAGTTGGTAACCTCACAGTTAAAGAGGTCCAGGCTTTTCCAGACATTCTAACTTTTT            CAAAGTTCCAAGGTGCTGATATCTTTTCAAGTTTATTTCCACTAAAGTTAGATGTGTGAGA            TTTGGAAGTTTTCAAGTAAATGATCCAGACCTCCAAAGATCCTATTTTCACTGAGTTCCA            GCTTTTTTCAATTAAGCAGCTGGGGGAGATTTGAAACTGAGATCAGCCCTACATTTATTA            AACTGAGGAACCTCAGTGCACAAATTCAGCTGTTAAGCCCTCAATTTTTTTCATCATTTG            ATTTGCAATTGTCCAAGAAAGTTTTCAACAGCTGCCGGGGTGGGTCCCTCACTCCAGGT            GGATCCTCCTAATGGGCATGTTCCCTTTTTCCCCCCTTAACTTAACTTTCCNNNG            GGGCCGAAGGGAAAGCCCCCGTTTCCAANAAGGCC</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_006401
<b>Insert Size:</b>	970 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>	<u>NM_006401.1, NP_006392.1</u>
<b>RefSeq Size:</b>	1475 bp
<b>RefSeq ORF:</b>	756 bp
<b>Locus ID:</b>	10541
<b>UniProt ID:</b>	<u>Q92688</u>
<b>Cytogenetics:</b>	9q22.33
<b>Domains:</b>	LRR, LRRcap
<b>Gene Summary:</b>	Multifunctional protein working as a cell cycle progression factor as well as a cell survival factor. Required for the progression from the G1 to the S phase. Anti-apoptotic protein which functions as a caspase-3 inhibitor. Has no phosphatase 2A (PP2A) inhibitor activity (By similarity). Exhibits histone chaperone properties, stimulating core histones to assemble into a nucleosome.[UniProtKB/Swiss-Prot Function]