

Product datasheet for SC106243

PPA2 (BC008246) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPA2 (BC008246) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPA2
Synonyms:	HSPC124; SID6-306
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for BC008246, the custom clone sequence may differ by one or more nucleotides

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GTGCCCCAGCCGCTGCGTGCCTGCGGTTGGGGACCAGTGCAGGGACCGGGTCGCGCCGTGCTATGGCCCT
GTACCACACTGAGGAGCGCGCCAGCCCTGCTCGCAGAATTACCGCCTCTCTTTAGTAAGTAGCTCCCG
GAGGTTCCCGAGCGCGCACCGGAGAACTGGGTGGGGATGGAATGGGGGACACTTGGGACGCCCGC
CGCGGTCTCCCTTCTCTTTTTGGGGCCCTCAGCGGTAGCCGCGCGGTCCAGGCCACTTACTTCCCGC
GGGAGCGCGCACCGAGTCAAGAACTGCCAGCGAGGAGCGCGGATCAAGACCCCAAAGCGGAGAGCA
GAGGCGCAGGGCTGCCGGCTGGGGGTAGATAGCGCCCTGTGCCCTGCCAGCCGCCCTCCCGAGGGTA
GGCAGAGTGCAAGCGGCCACCCGCGGCGCCTGCAGCCATTAGCCGGCCCGGCCCGTCCCGGTTCA
CACAACACTCAGTGAGGAAGGAAGGCAGAGCCCGCCACACGCGCGCCTTCTAGAGGCGTAAGAAACCTC
CTACTGCGGGAGCTCCCTGACGTGCGAGAGGCAGGCGGAACCTTTCGCGGATGCCTAATCCAGCGCGTCTT
TTTTTTGGAGGGACTCTGATGAAGTTCTTCCCCAGAAGCTTGACTTGGTACGCACAAGTTTACACCC
TGAGTGTGATCCACCATCCAAAGCCTCGTTGGTTCCGAGCAGCCCTTTTCTCCCAAGCTGAACAAG
CCCAGAAGGCTAAGCGACTTCGGGGGTGTCCTGAGTTGCCGAGCTCAGAGAAAGGACCCAGGTCTTCGT
GACTCATTGTTCCGTGTACCCATTGTTTCACTGTGTACGTTAACCGTAACAGAAAATAGCGATGTCGGT
CGCTTGCCTTCACTCCCCACTGACTGCAGAGCCTTGAGTGGTAGTATCAAAGTGGGCCTGCATTATCG
CTCCCCTTTTCGGAGCACTGGCTCTGGAGCCTTCAGTTCTAAGCAGGCCCTCGAGTTCCTCAGCTTAA
ACTCTGTGACCCCGACGAGTTTAAGTTGCTAAGCCTTGTTTTTTCTCATCCGTAATAAGGGCTGCAAG
TATTACATGACATTATATGTAAGTGATTAGTACAGGGCCTAAAATATAAACTACTATTGTTAATAC
CGATAATCATTATAGATATTTGTAATTTATGAGAGATTTGCAGTTATGCTACATGAGTTTAGGGTCGAGG
ATTATTTGTGGAAAGAAGAGTTTGCCTAAAGTCGTGTGATTATAATGCAACTAGTACTAGAATTTCTA
TTTTCTTCAAATTTGTTGCAAGTTTTACCCTATGCCACATTTTTCTTCTATCTTTGGTTAAGACTGAT
CAGGTGAACAGGAAGTCTCAAATTTCTGAATGGATTATGTTCTAAAAGGTTACCATGTGATGATTAATGG
GAATAGTCAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC008246 unedited NNNGGTTCAAATTTGTATACGACTCACTATAGCGGCCCGGAATTCGCACCAGGCGCTGC TGCGGCTGCTGCGCACGGGTGCCCCAGCCGCTGCGTGCCTGCGGTTGGGGACCAGTGCAG GGACCGGGTCGCGCCGTGCTATGGCCCTGTACCACACTGAGGAGCGCGGCCAGCCCTGCT CGCAGAATTACCGCCTCTCTTTAGTAAGTAGCTCCCGGAGGTTGCGCGAGCGGCGCACC GGAGAAACCTGGGTGGGGATGGAATGGGGACACTTGGGACGCCCGCGCGGTCTCCCT TCTCTCTTTTGGGGCCCTCAGCGGTAGCCGCGCGGTCCAGGCCACCTTACTTCCCAGCGG GAGCGCGCACCGAGTCACGAGAAGTCCAGCGAGGAGGCGCGGATCAAGACCCCAAAGC GGAGAGCAGAGGCGCAGGGCTGCCGCTGGGGGTAGATAGCGCCCTGTGCCCTGCCAGC CGCCCTCCCCGAGGGGTAGGCAGAGTGCAAGCGGCCACCCCGCGCGGCCTGCAGCCATT AGCCGGCCCGGCCCGCTTCCCGTTCCACAACTCAGTGAGGAAGGGAAGGCAGAGCCC GCCCACACGCCGCTTCTAGAGGCGTAAGAACTCTACTGCGGGAGCTCCCTGACG TCGGAGAGGCAGGCGAACTTTGCGGATGCCTAATCCAGCGCTTCTTTTTTTGGNAG GACTCTNGATGAAGTTCTTTCCCAGAAGCTTGACTTGGTACGCACAAGTTTACACCCTG AGTGTGATCCACCATCCAAAGCCTCGTTGGTCCGGAGCAGCCCTTTTCTCCAGCT GAACAGCCAGAAGCTAGCGACTCGGGGGTCCCTGAGTGCCGACTCANAGAAGACCCC AGTCTCTGACTCATGTTCTGTATCCCATG
Restriction Sites:	NotI-NotI
ACCN:	BC008246
Insert Size:	2650 bp
OTI Disclaimer:	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).
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:	<ol style="list-style-type: none"> 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.
RefSeq:	BC008246.1
RefSeq Size:	1493 bp
RefSeq ORF:	1493 bp
Locus ID:	27068
Cytogenetics:	4q24
Protein Pathways:	Oxidative phosphorylation

Gene Summary:

The protein encoded by this gene is localized to the mitochondrion, is highly similar to members of the inorganic pyrophosphatase (PPase) family, and contains the signature sequence essential for the catalytic activity of PPase. PPases catalyze the hydrolysis of pyrophosphate to inorganic phosphate, which is important for the phosphate metabolism of cells. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]