

Product datasheet for SC307076

PPA2 (NM_176869) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPA2 (NM_176869) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPA2
Synonyms:	HSPC124; SCFAI; SCFI; SID6-306
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307076 representing NM_176869. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGCGCGTCTGCTGCGGCTGCTGCGCACGGGTGCCCCAGCCGCTGCGTGCCTGCGGTTGGGGACCAGT
GCAGGGACCGGTGCGCGCTGCTATGGCCCTGTACCACACTGAGGAGCGCGCCAGCCCTGCTCGCAG
AATTACCGCCTCTTCTTTAAGAATGTAAGTGGTCACTACATTTCCCCTTTCATGATATTCCTCTGAAG
GTGAATCTAAAGAGGAAAATGGCATTCTATGAAGAAAGCACGAAATGATGAATATGAGAATCTGTTT
AATATGATTGTAGAAATACCTCGGTGGACAAATGCTAAAATGGAGATTGCCACCAAGGAGCCAATGAAT
CCCATTAAACAATATGTAAGGATGGAAAGCTACGCTATGTGGCGAATATCTTCCCTTACAAGGGTTAT
ATATGGAATTATGGTACCCTCCCTCAGACTTGGGAAGATCCCCATGAAAAGATAAGAGCACGAAGTGC
TTTGGAGATAATGATCCTATTGATGTTTGGCAAAATAGGCTCAAAGATTCTTCTTGTGGAGAAGTTATT
CATGTGAAGATCCTTGAATTTTGGCTCTTATTGATGAAGGTGAAACAGATTGGAATTAATTGCTATC
AATGCGAATGATCCTGAAGCCTCAAAGTTTTCATGATATTGATGATGTTAAGAAGTTCAAACCGGGTTAC
CTGGAAGCTACTCTTAATTGGTTTAGATTATATAAGGTACCAGATGGAACCAGAAAACAGTTTGGCT
TTAATGGAGAATTCAAAAACAAGGCTTTTGGCTCTTGAAGTTATTAATCCACTCATCAATGTTGGAAA
GCATTGCTTATGAAGAAGTGTAATGGAGGAGCTATAAATTGCACAAACGTGCAGATATCTGATAGCCCT
TTCCGTTGCACTCAAGAGGAAGCAAGATCATTAGTTGAATCGGTATCATCTTACCAAATAAAGAAAAGT
AATGAAGAAGAGCAAGTGTGGCACTTCTTGGCAAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_176869



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Insert Size:	1005 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_176869.2
RefSeq Size:	1682 bp
RefSeq ORF:	1005 bp
Locus ID:	27068
UniProt ID:	Q9H2U2
Cytogenetics:	4q24
Protein Pathways:	Oxidative phosphorylation
MW:	37.9 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript, and encodes the longest isoform (1).</p>