

## Product datasheet for MR203710

### Plpp2 (NM\_015817) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Plpp2 (NM_015817) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Plpp2
Synonyms:	L; Lpp2; PAP2-G; PAP2-gamma; PAP2c; Pp; Ppap2c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203710 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGCGGAGGTGGTCTTCGTGCTGCTGGACGTGCTGTGCGTGTGGTTCGCCTCTCTGCCTTTCATCA  
TCCTGACCCTGGTGAATGCACCATATAAGCGGGGTTCTACTGTGGAGATGACTCCATCCGGTACCCATA  
CCGTCCAGACACGATCACCCACGGACTCATGGCTGGGGTCATCATCACAGCTACTGTCATCCTTGTCTCA  
TTGGGAGAAGCCTACCTGGTGTACACAGACCGTCTTTATTCGCGATCCAACCTCAACAATATGTAGCTG  
CCATCTACAAGGTGCTGGGAACCTTCTGTTTCGGGGCTGCTGTGAGCCAGTCTCTCACCGACCTGGCCAA  
GTACATGATTGGCCGTCTTCGACCCAGTTTCTTGCTGTCTGTGACCCTGACTGGAGCCAGGTCAACTGT  
TCTGGCTATGTGCAGCTGGAGGTGTGCAGGGCAGCCCTGCTAATGTCACGGAGGCCAGGCTGTCCTTCT  
ACTCTGGCCACTCCTCCTTTGGCATGTATTGCATGTTGTTCTTGCGCTATATGTGCAGGCCCGGCTCTG  
CTGGAAGTGGGCACGGCTGCTGAGGCCACTGTTCACTTCTTGGTGGCCTTTGCAATCTATGTGGGC  
TATACCCGAGTGTCTGACCACAAGCACCCTGGAGTGATGCTTGTGCGCCTCTGCAGGGAGCCCTGG  
TGGCCTGCCTCACGGTCCGCTATGTTTCAGATTTCTTCAAATCCCGGCCACCCAGCCCTGCCAGGAGGA  
TGAAGTGCCGGAGCGCAAGCCAGTCTGCTACTGACGCTGACCCCTGGTGACCGACCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR203710 protein sequence  
 Red=Cloning site Green=Tags(s)

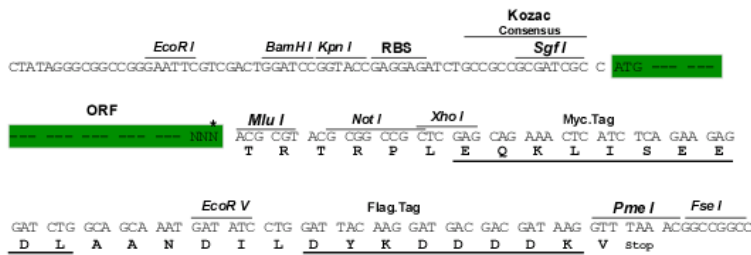
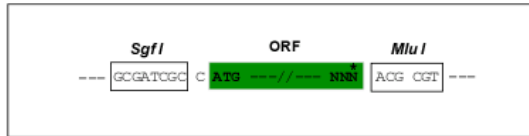
MERRWVFLLDVLCVLCVLPFIIITLVNAPYKRGFYCGDDSI RYPYRPDTITHGLMAGVIITATVILVS  
 LGEAYLVYTDRLYSRSNFNNYVAAIYKVLGTF LF GAAVSQSLTDLAKYIMIGRLRPSFLAVCDPDWSQVNC  
 SGYVQLEVCRGSPANVTEARLSFYSGHSSF GMYCMLFLALYVQARLCWKWARLLRPTVQFFLVAF AIYVG  
 YTRVSDHKHHWSDVLVGLLQ GALVACLTVRYVSDFFFKSRPPQCQEDEVPERKPSLSLTLTLGDRP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_015817

**ORF Size:** 831 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.

**RefSeq:** [NM\\_015817.3](#), [NP\\_056632.2](#)

**RefSeq Size:** 1646 bp

**RefSeq ORF:** 831 bp

**Locus ID:** 50784

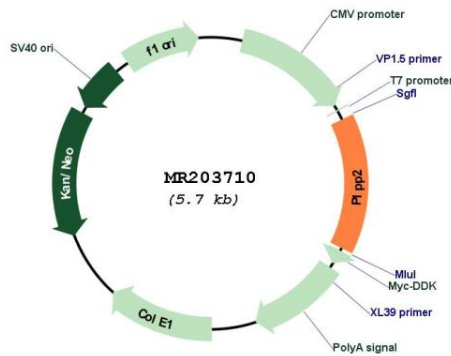
**UniProt ID:** [Q9DAX2](#)

**Cytogenetics:** 10 39.72 cM

**MW:** 31.2 kDa

**Gene Summary:** The protein encoded by this gene is a lipid phosphate phosphohydrolase. It is an integral membrane protein that catalyzes the conversion of phosphatidic acid to diacylglycerol and inorganic phosphate. The transcript is expressed at high levels in lung, liver, and kidney and at low levels in brain and heart. Null mutant mice are viable and fertile and display no overt phenotypic defects. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]

**Product images:**



Circular map for MR203710