

## Product datasheet for **SC336851**

### MPP2 (NM\_001278372) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MPP2 (NM_001278372) Human Untagged Clone
Tag:	Tag Free
Symbol:	MPP2
Synonyms:	DLG2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



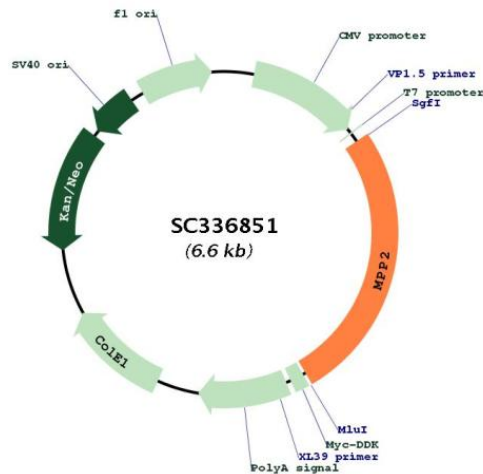
[View online »](#)

Fully Sequenced ORF: >SC336851 representing NM\_001278372.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCGGTTGCCGCCACCAACTTGAAACTGCCATGCAGCAAGTCTGGACAACCTGGGATCCCTCCCC
AGTGCCACGGGGCTGCAGAGCTGGACCTGATCTTCTTCGAGGCATTATGGAAAGTCCCATAGTAAGA
TCCTGGCCAAGGTGATAATGGTATTGGTTTATGCAGCAGAATGTCTTTGTTCTATGAAATACATG
CTGAAATACTTTGGGGCCATGAGAGGCTGGAGGAGACGAAGCTGGAGGCCGTGAGAGACAACAACCTG
GAGCTGGTGCAGGAGATCCTGCGGGACCTGGCGCAGCTGGCTGAGCAGAGCAGCAGCCGCCGAGCTG
GCCACATCCTCCAGGAGCCCCACTTCCAGTCCCTCCTGGAGACGCACGACTCTGTGGCCTCAAAGACC
TATGAGACACCACCCAGCCCTGGCCTGGACCCTACATTAGCAACCAGCCTGTACCTCCCGATGCT
GTGCGCATGGTGGGCATCCGAAGACAGCCGGAACATCTGGGTGTAACTTCCGCGTGGAGGGCGGC
GAGCTGGTGATCGCGCATTCTGCATGGGGCATGGTGGCTCAACAAGGCCTGTCATGTGGTGAC
ATCATCAAGGAGTGAACGGGCAGCCAGTGGGCAGTGACCCCGCGCACTGCAGGAGCTCCTGCGCAAT
GCCAGTGGCAGTGTATCCTCAAGATCCTGCCAGCTACCAGGAGCCCCATCTGCCCGCCAGGTATTT
GTGAAATGTCACTTTGACTATGACCCGGCCGAGACAGCCTCATCCCCTGCAAGGAAGCAGGCCTGCGC
TTCAACGCCGGGGACTTGCTCCAGATCGTAAACCAGGATGATGCCAACTGGTGGCAGGCATGCCATGTC
GAAGGGGGCAGTGTGGGCTCATTCCAGCCAGCTGCTGGAGGAGAAGCGGAAAGCATTGTCAAGAGG
GACCTGGAGCTGACACCAAACTCAGGGACCCTATGCGGCAGCCTTTCAGGAAAGAAAAGAAGCGAATG
ATGATTTGACCACCAAGAATGCAGAGTTTGACCGTCATGAGCTGCTCATTTATGAGGAGGTGGCCCGC
ATGCCCCCGTTCCGCGGAAAACCCTGGTACTGATTGGGGCTCAGGGCGTGGGACGGCGCAGCCTGAAG
ACAAGCTCATCATGTGGGATCCAGATCGCTATGGCACCACGGTGCCCTACACCTCCCGGGCGCGAAA
GACTCAGAGCGGGAAGGTCAGGGTTACAGCTTTGTGTCCCGTGGGAGATGGAGGCTGACGTCCGTGCT
GGGCGCTACCTGGAGCATGGCGAATACGAGGGCAACCTGTATGGCACACGTATTGACTCCATCCGGGGC
GTGGTCGCTGCTGGGAAGGTGTGCGTGCTGGATGTCAACCCCGAGGCGGTGAAGGTGCTACGAACGGCC
GAGTTTGTCCCTTACGTGGTGTTCATCGAGGCCCGAGACTTCGAGACCCTGCGGGCCATGAACAGGGCT
GCGCTGGAGAGTGAATATCCACCAAGCAGCTCACGGAGGCGGACCTGAGACGGACAGTGGAGGAGAGC
AGCCGCATCCAGCGGGGCTACGGGCACTACTTTGACCTCTGCCTGGTCAATAGCAACCTGGAGAGGACC
TTCCGCGAGCTCCAGACAGCCATGGAGAAGCTACGGACAGAGCCCCAGTGGGTGCCTGTCAGCTGGGTG
TACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

## Plasmid Map:



ACCN: NM\_001278372

Insert Size: 1731 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:

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\\_001278372.1](#)

RefSeq Size: 4717 bp

RefSeq ORF: 1731 bp

Locus ID: 4355

UniProt ID: [Q14168](#)

Cytogenetics: 17q21.31

Protein Families: Druggable Genome

MW: 64.6 kDa

**Gene Summary:**

Palmitoylated membrane protein 2 is a member of a family of membrane-associated proteins termed MAGUKs (membrane-associated guanylate kinase homologs). MAGUKs interact with the cytoskeleton and regulate cell proliferation, signaling pathways, and intracellular junctions. Palmitoylated membrane protein 2 contains a conserved sequence, called the SH3 (src homology 3) motif, found in several other proteins that associate with the cytoskeleton and are suspected to play important roles in signal transduction. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (4) includes an alternate coding exon and represents use of an alternate promoter, compared to variant 1. It encodes isoform 4 which has a shorter N-terminus compared to isoform 1.