

## Product datasheet for **SC336702**

### **MPP2 (NM\_001278375) Human Untagged Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | MPP2 (NM_001278375) 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)                     |



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**Fully Sequenced ORF:** >SC336702 representing NM\_001278375.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

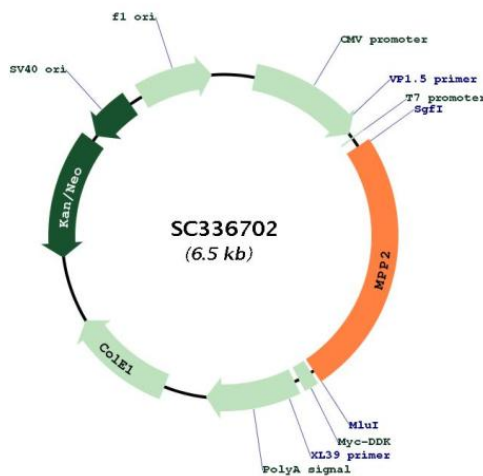
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
```

**Restriction Sites:**

Sgfl-MluI

**Plasmid Map:**



|                               |  |
|-------------------------------|--|
| <b>ACCN:</b>                  | NM_001278375   |
| <b>Insert Size:</b>           | 1626 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>                | <a href="#">NM_001278375.1</a>   |
| <b>RefSeq Size:</b>           | 4391 bp  |
| <b>RefSeq ORF:</b>            | 1626 bp  |
| <b>Locus ID:</b>              | 4355   |
| <b>UniProt ID:</b>            | <a href="#">Q14168</a>   |
| <b>Cytogenetics:</b>          | 17q21.31   |
| <b>Protein Families:</b>      | Druggable Genome   |
| <b>MW:</b>                    | 60.5 kDa   |
| <b>Gene Summary:</b>          | <p>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]</p> <p>Transcript Variant: This variant (7) differs in the 5' UTR and represents use of an alternate promoter, compared to variant 1. It encodes isoform 2 which has a shorter N-terminus compared to isoform 1. Variants 2, 5, and 7 encode the same protein.</p> |