

## Product datasheet for **SC206902**

### MPP1 (NM\_002436) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** MPP1 (NM\_002436) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** MPP1  
**Synonyms:** AAG12; DXS552E; EMP55; MRG1; PEMP  
**ACCN:** NM\_002436  
**Insert Size:** 523 bp  
**Insert Sequence:** >SC206902 3'UTR clone of NM\_002436  
The sequence shown below is from the reference sequence of NM\_002436. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAGTGGGTGCCTGTCTCCTGGGTTTACTAAGCTTGTAGAATGGGGGAACCCACTGTATGCCCTCTCCA
GCATTTGGAATCCACCCGCTTGCTTTAAGACAAACAGGGCTGCTCCAAGTATTTGTGTGAGCTTC
CAGCTCTCTGCAGCTATCCTAATTCAGCCAGTAAGGTTTCAAGTCTTCTGCTCAGGCTCCTGAAGGTTG
ATTCTCCTGATAGATGGGGCCCACTGATCTGGATTTGAAAAGGATTTCTAGAAATTGGGGTAAGAAG
TACTACAAAATGTAAGTCTAATCAAGGGTGATGCACAGCAAAAGCAATGGACCCATCCCTCTAAAG
CCTGCCCTCCTTTGCCTTCAACTGTATATGCTGGGTATTTCAATTTGCTTTTTATTTGGAGAAAGCGT
TTTTAACTGCAACTTTCTATAATGCCAAAATGACACATCTGTGCAATAGAATGATGTCTGCTCTAGGGA
AACCTTAAAAGCAATAAAAATGCTGTGTGAAATGCCAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_002436.4](#)



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<b>Summary:</b>	This gene encodes the prototype of the membrane-associated guanylate kinase (MAGUK) family proteins. MAGUKs interact with the cytoskeleton and regulate cell proliferation, signaling pathways, and intercellular junctions. The encoded protein is an extensively palmitoylated membrane phosphoprotein containing a PDZ domain, a Src homology 3 (SH3) motif, and a guanylate kinase domain. This gene product interacts with various cytoskeletal proteins and cell junctional proteins in different tissue and cell types, and may be involved in the regulation of cell shape, hair cell development, neural patterning of the retina, and apico-basal polarity and tumor suppression pathways in non-erythroid cells. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009]
<b>Locus ID:</b>	4354
<b>MW:</b>	19.4