

## Product datasheet for **SC314395**

### **MPP5 (AL832326) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MPP5 (AL832326) Human Untagged Clone
Tag:	Tag Free
Symbol:	MPP5
Synonyms:	PALS1
Vector:	<u><a href="#">pCMV6 series</a></u>



[View online »](#)

<b>Fully Sequenced ORF:</b>	<p>&gt;NCBI ORF sequence for AL832326, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGACAACATCCCATATGAATGGGCATGTTACAGAGGAATCAGACAGCGAAGTAAAAAT GTTGATCTTGCATCACCAGAGGAACATCAGAAGCACCGAGAGATGGCTGTTGACTGCCCT GGAGATTTGGGCACCAGGATGATGCCAATACGTCGAAGTGCACAGTTGGAGCGTATTCGG CAACAACAGGAGGACATGAGGCGTAGGAGAGAGGAAGAAGGAAAAAGCAAGAATTGAC CTTAATCTTCCATGAGACTTAAGAACTAGCCCAAATTCCTCAAAGACCGGAATAGGT AACCTATGTTTTGATACAGAGGAAGGAATTGTCTTAGAAAAGTCCTCATTATGCTGTGAAA ATATTAGAAATAGAAGACTTGTTTTCTCACTTAAACATATCCAACATACTTTGGTAGAT TCTCAGAGCCAGGAGGATATTTCACTGCTTTTACAACCTGTTCAAATAAGGATTTCCAG AATGCATTTAAGATACACAATGCCATCACAGTACACATGAACAAGGCCAGTCCTCCATTT CCTCTTATCTCCAACGCACAAGATCTTGCTCAAGAGGTACAACTGTTTTGAAGCCAGTT CATCATAAGGAAGGACAAGAATACTGCTTTGCTGAATACTCCACATATTCAGGCACTT TACTGGCCACGATAAGGTTGCTGAGCAGGAAATGCAGCTAGAGCCATTACAGATGAG AGAGTTTATGAAAGTATCGGCCAGTATGGAGGAGAACTGTAAAAATAGTTCGTATAGAA AAGGCTCGTGATATTCGGTTGGGTGCTACAGTTGTAATGAAATGGAAGTCTGTGCATCATT AGCCGGATAGTAAAAGGGGGTGCTGCAGAGAAAAGTGGTCTGTTGCATGAAGGAGATGAA GTTCTAGAGATTAATGGCATTGAAATTCGGGGGAAAGATGTCAATGAGGTTTTGACTTG TTGTCTGATATGCATGGTACTTTGACTTTTGTCTGATTCACAGTCAACAGATCAAGCCG CCTCCTGCCAAGGAAACAGTAATCCATGTAAAAGCTCATTTTGACTATGACCCCTCAGAT GACCCTTATGTTCCATGTCGAGAGTTAGGTCTGTCTTTTCAAAAAGGTGATATACTTCAT GTGATCAGTCAAGAAGATCCAACTGGTGGCAGGCCTACAGGGAAGGGGACGAAGATAAT CAACCTTAGCCGGGCTTGTCCAGGGAAAAGCTTTCAGCAGCAAAGGGAAGCCATGAAA CAAACCATAGAAGAAGATAAGGAGCCAGAAAAATCAGGAAAAGTGTGGTGTGCAAAGAAG AATAAAAAGAAGAGGAAAAAGGTTTTATATAATGCCAATAAAAATGATGATTATGACAAC GAGGAGATCTTAACCTATGAGGAAATGTCACTTTATCATCAGCCAGCAAATAGGAAGAGA CCTATCATCTTGATTGGTCCACAGAACTGTGGCCAGAATGAATTGCGTCAGAGGCTCATG AACAAAGAAAAGGACCGCTTTGCATCTGCAGTTCTCATACAACCCGGAGTAGGCGAGAC CAAGAAGTAGCCGGTAGAGATTACCACTTTGTTTCGCGGCAAGCATTGAGGCAGACATA GCAGCTGGAAGTTTCATTGAGCATGGTGAATTTGAGAAGATTTGTATGGAAGTACGATA GATTCTGTACGGCAAGTATCACTCTGGCAAAATATGTCTTTAAGTCTTCGTACACAG TCATTGAAGACTCTCCGAATTCAGATTTGAAACCATATATTATCTTCATCGACCCCTT TCAACAAGAAAGACTTCGGGCATTATTGGCCAAAGAAGTCAAGAATCCAAAGCCTGAAGAG TTGAGAGAAATCATTGAGAAGACAAGAGAGATGGAGCAGAGCAATGGCCACTACTTTGAT ACGGCAATTGTGAATCCGATCTTGATAAAGCCTATCAGGAATTGCTTAGGTTAATTAAC AAACTTGATACTGAACCTCAGTGGGTACCATCCACTTGGCTGAGG </pre>
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	AL832326
<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>OTI Annotation:</b>	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.
<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).

**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:** [AL832326.1](#), [CAD38620.1](#)

**RefSeq Size:** 5280 bp

**RefSeq ORF:** 5280 bp

**Locus ID:** 64398

**Cytogenetics:** 14q23.3

**Domains:** SH3, PDZ, L27, Guanylate\_kin, GuKc

**Protein Families:** Druggable Genome

**Protein Pathways:** Tight junction

**Gene Summary:** This gene encodes a member of the p55-like subfamily of the membrane-associated guanylate kinase (MAGUK) gene superfamily. The encoded protein participates in the polarization of differentiating cells, has been shown to regulate myelinating Schwann cells (PMID: 20237282), and is one of the components of the Crumbs complex in the retina. Mice which express lower levels of the orthologous protein have retinal degeneration and impaired vision (PMID: 22114289). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2012]