

Product datasheet for **SC305551**

MPP4 (NM_033066) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MPP4 (NM_033066) Human Untagged Clone
Tag:	Tag Free
Symbol:	MPP4
Synonyms:	ALS2CR5; DLG6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC305551 representing NM_033066.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATACAGTCAGACAAAGGAGCAGATCCACCAGACAAGAAGACATGAAGCTTTCTACAGCCACCAAT
CCACAGAATGGCCTCTCCAGATCCTGAGGCTTGCTGCAAGAGCTGAGTCTGTTCTACAGCAGAGAT
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GACTGCCTCCAGGAATTTAAAGAAAAGAACTAGTTTCTGCCACACCACATGCACAGGTGTTATCCTAT
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CCTCCACTGCCAGACAATATCCCTGAGAGTGAGGAAGCAATGAGGATTGTTTGTAGTAAAAACCAA
CAGCCCTGGGAGCCACCATCAAGCGCCACGAGATGACAGGGGACATCTTGGTGGCCAGGATCATCCAC
GGTGGGCTGGCGGAGAGAAGTGGTTGCTATATGCTGGAGACAACTGGTGAAGTGAATGGAGTTTCA
GTTGAGGACTGGACCCTGAACAAGTGATCCATATTCTGCCCATGTCTCGAGGCACAATCATGTTCAAG
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TGGCCCCAGGAGGATCCCGACATCCCCTGCATGGACGCTGGATTGCCTTTCCAGAAGGGGACATCCTC
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ATGAAACAATCTCGAAAAATGCCAAGGTTATTACTGACTACTATGTGGACATGAAGTTCAAGGATGAA
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ATTGTGAATGACAGCTTGACGATGCATGTGCCAGTTGTTGTCTGCCATACAGAAGGCTCAGGAGGAG
CCTCAGTGGGTACCAGCAACATGGATTTCTCAGATACTGAGTCTCAATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-MluI

ACCN: NM_033066

Insert Size: 1914 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).

OTI Annotation: 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.

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:	<u>NM_033066.2</u>
RefSeq Size:	2475 bp
RefSeq ORF:	1914 bp
Locus ID:	58538
UniProt ID:	<u>Q96JB8</u>
Cytogenetics:	2q33.1
Protein Families:	Druggable Genome
MW:	72.8 kDa
Gene Summary:	This gene encodes a member of the membrane-associated guanylate kinase (MAGUK) protein family, with an N-terminal PDZ domain, a central src homology 3 region (SH3), and a C-terminal guanylate kinase-like (GUK) domain. The protein is localized to the outer limiting membrane in the retina, and is thought to function in photoreceptor polarity and the organization of specialized intercellular junctions. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]