

Product datasheet for **RC219980**

MPP4 (NM_033066) Human Tagged ORF Clone

Product data:

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



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ORF Nucleotide
Sequence:

>RC219980 representing NM_033066
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATACAGTCAGACAAAGGAGCAGATCCACCAGACAAGAAGGACATGAAGCTTTCTACAGCCACCAATC
CACAGAATGGCCTCTCCAGATCCTGAGGCTTGTGCTGCAAGAGCTGAGTCTGTTCTACAGCAGAGATGT
GAATGGAGTGTGTCTCTGTACGATCTCCTCCACTCGCCGTGGCTTCAGGCTCTGCTAAAGATTTATGAC
TGCTCCAGGAATTTAAAGAAAAGAACTAGTTCTGCCACACCACATGCACAGGTGTTATCCTATGAGG
TAGTGGAGTTATTACGTGAAACCCCTACTTCCCCTGAGATCCAAGAGCTGAGACAAATGCTCCAGGCTCC
ACACTTCAAGGCCTTGCTCAGTGCCCATGACACGATAGCTCAGAAAGATTTTGAACCCCTTCTCCCTCCA
CTGCCAGACAATATCCCTGAGAGTGAGGAAGCAATGAGGATTGTTGTTTAGTAAAAACCAACAGCCCC
TGGGAGCCACCATCAAGCGCCACGAGATGACAGGGGACATCTTGGTGGCCAGGATCATCCACGGTGGCT
GGCGGAGAGAAGTGGGTTGCTATATGCTGGAGACAACTGGTAGAAGTGAATGGAGTTTCAGTTGAGGGA
CTGGACCTGAACAAGTATCCATATTCTGGCCATGTCTCGAGGCACAATCATGTTCAAGGTGGTTCCAG
TCTCTGACCCCTCTGTGAATAGCCAGCAGATGGTGTACGTCCGTGCCATGACTGAGTACTGGCCCCAGGA
GGATCCCAGACATCCCCTGCATGGACGCTGGATTGCCTTTCAGAAAGGGGACATCCTCCAGATTGTGGAC
CAGAATGATGCCCTCTGGTGGCAGGCCGAAAAATCTCAGACCCTGTACCTGCGCTGGGCTTGTCCCTT
CTAACCACCTTCTGAAGAGGAAGCAACGGGAATTTCTGGTGGTCTCAGCCGTACCAGCCTCACACCTGCC
CAAGTCAACCCATCAATTTCTATGGAAGAAGAAGATGACATGAAGATTGATGAGAAATGTGTGGAAGCA
GATGAAGAAACATTTGAATCTGAGGAACCTTTCAGAAGACAAGGAGGATTTGTTGGCTACGGTCAAGAT
TCTTTATAGCTGGCTTCCGCCGAGCATGCGCCTTGTGCGAGGAAGTTCACCTCAGCCGCTGCATGC
CAGTGTGTGCTGCACCGGCAGCTGCTACAGTGCAGTGGGTGCCCTTACGAGGAGGTGGTGAAGTACCAG
CGACGCCCTTCAGACAAGTACCGCCTCATAGTGTCTATGGGACCCCTCTGGTGTGGAGTAAATGAGCTCA
GAAGACAATTATTGAATTTAATCCCAGCCATTTCAAAGTGTGTGCCACACACTACTCGTACTAAAAA
GAGTTACGAAATGAATGGGCGTGAGTACTACTATGTGTCCAAGGAAACATTTGAAAACCTCATATAGT
CACAGGATGCTGGAGTATGGTGTGAGTACAAAGGCCACCTGTATGGCACTAGTGTGGATGCTGTTCAAACAG
TCCTTGTGCAAGGAAAGATCTGTGTCATGGACCTAGAGCCTCAGGATATCAAGGGGTTGCAACCCATGA
ACTGAAGCCCTATGTCATATTTATAAGCCATCGAATATGAGGTGTATGAAACAATCTCGAAAAATGCC
AAGGTTATTACTGACTACTATGTGGACATGAAGTTCAAGGATGAAGACCTACAAGAGATGAAAAATTTAG
CCCAAAGAAATGGAACTCAGTTTGGCCAATTTTTTGTATCATGTGATTGTGAATGACAGCTTGCACGATGC
ATGTGCCCAGTTGTTGTCTGCCATACAGAAGGCTCAGGAGGAGCCTCAGTGGGTACCAGCAACATGGATT
TCCTCAGATACTGAGTCTCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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_033066.2](#), [NP_149055.1](#)

RefSeq Size: 2435 bp

RefSeq ORF: 1914 bp

Locus ID: 58538

UniProt ID: [Q96JB8](#)

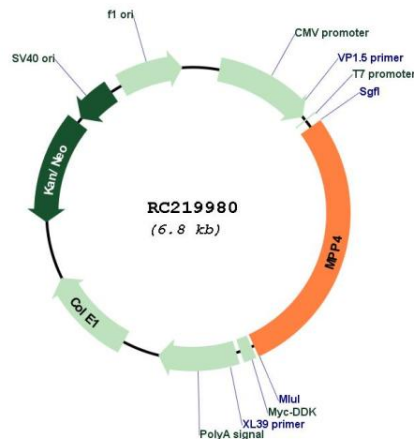
Cytogenetics: 2q33.1

Protein Families: Druggable Genome

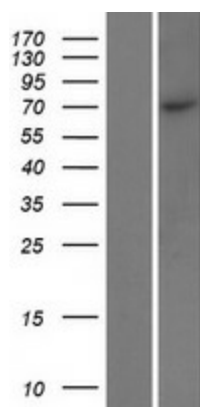
MW: 72.6 kDa

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]

Product images:



Circular map for RC219980



Western blot validation of overexpression lysate (Cat# [LY409775]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219980 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).