

Product datasheet for **RC230103**

MPP1 (NM_001166460) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MPP1 (NM_001166460) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MPP1
Synonyms:	AAG12; DXS552E; EMP55; MRG1; PEMP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC230103 representing NM_001166460
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACCCTCAAGCGAGCGAGGGCGAGAGTGGGGCAGCATGCACACGGCGCTCTCCGACCTCTACCTGG
 AGCATTTGCTGCAGAAGCGTAGTCGGCCAGAGGCTGTATCGCATCCATTGAATACTGTGACCGAGGACAT
 GTACACCAACGGGTCTCCTGCCCCAGGTAGCCCTGCCAGGTCAAGGGACAGGAGGAATCACGCTGAAG
 CTGAATGAAAAACAGTCTGTACGGTGGCCAGAATTCTTCATGGTGGCATGATCCATAGACAAGGCTCCC
 TTCACGTGGGGATGAGATCCTAGAAAATCAATGGCACAATGTGACAAAATCATTCACTGGATCAGCTGCA
 GAAGGCGATGAAAGAAACAAAGGAATGATCTCATTAAAAGTAATCCCAACCAGCAAAGCCGTCTTCT
 GCACTACAGATGTTTCATGAGAGCGCAGTTTACTATGATCCAAAAAGGACAATCTGATCCCTTGAAGG
 AGCGGGGACTGAAGTTTGTACTGGGGACATTATCCAGATTATCAACAAGGATGACAGCAATTGGTGGCA
 GGGACGGTGAAGGCTCCTCAAGGAGTCAGCAGGATTGATCCCTTCCCCTGAGCTGCAGGAATGGCGA
 GTGGCAAGTATGGCTCAGTCAGCTCCTAGCGAAGCCCGAGCTGCAGTCCCTTTGGGAAGAAGAAGT
 ACAAAGACAAATATCTGGCCAAGCACAGCTCGATTTTTGATCAGTTGGATGTTGTTTCTACGAGGAAGT
 CGTTCCGCTCCCTGCATTCAAGAGGAAGACCCTGGTGTGATCGGAGCCAGTGGGGTGGTGCAGCCAC
 ATTAAGAATGCCCTGCTCAGCCAGAATCCGGAGAAGTTTGTGTACCCTGTCCCATATAACAACCGGCCGC
 CAAGGAAGAGTGAGGAAGATGGGAAGGAGTACCACTTTATCTCAACGGAGGAGATGACGAGGAACATCTC
 TGCCAATGAGTTCTTGGAGTTTGGCAGCTACCAAGGCAACATGTTTGGCACCAAAATTTGAAACAGTGCAC
 CAGATCCATAAGCAGAACAAAGATTGCCATCCTTGACATTGAGCCCCAGACCCTGAAAATTTGTTCCGACAG
 CAGAATTTCCGCTTTTCATTGTGTTTCATTGCACCTACTGACCAGGCCACTCAGACAGAAGCCCTGCAGCA
 GCTGCAGAAGGACTCTGAGGCCATCCGCAGCCAGTACGCTCACTACTTTGACCTCTCACTGGTCAATAAT
 GGTGTTGATGAAACCCTTAAGAAATTACAAGAAGCCTTCGACCAAGCGTGCAGTTCTCCACAGTGGGTGC
 CTGTCTCTGGGTTTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230103 representing NM_001166460
 Red=Cloning site Green=Tags(s)

MTLKASEGESGGSMHTALSDLYLEHLLQKRSRPEAVSHPLNVTEDMYTNGSPAPGSPAQVKQEGITLK
 LNEKQSCVARILHGGMIHRQGS�HVGEILEINGTNVTNHSVDQLQKAMKETKGMISLKVIPNQSRP
 ALQMFRAQFDYDPKKNLIPCKEAGLKFATGDI IQIINKDSDSNWWQGRVEGSSKESAGLIPSPQLQEW
 VASMAQSAPSEAPSCSPFGKKKKYKDKYLAKHSSIFDQLDVVSYEVEVRLPAFKRKTLLVIGASGVGRSH
 IKNALLSQNPEKFVYPVYTRPRKSEEDGKEYHFISTEEMTRNISANEFLEFGSYQGNMFGTKFETVH
 QIHKQNKIAILDIEPQTLKIVRTAELSPFIVFIAPTDQGTQTEALQQLQKDSEAIRSQYAHYFDLSLVNN
 GVDETLKKLQEAFDQACSSPQWVPVSWVY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8060_f12.zip

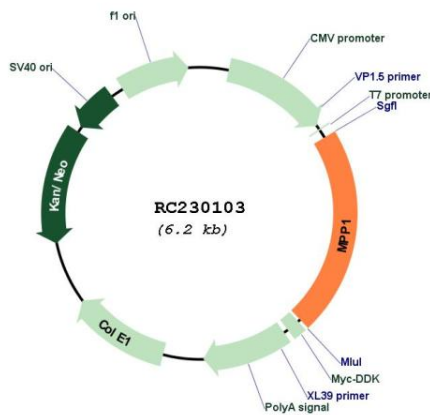
Restriction Sites:

Sgfl-Mlul

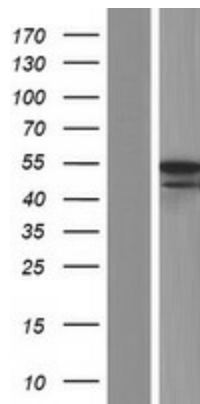
MW: 50.7 kDa

Gene Summary: 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]

Product images:



Circular map for RC230103



Western blot validation of overexpression lysate (Cat# [LY433103]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC230103 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).