

Product datasheet for RC238077

MPP2 (NM_001278374) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MPP2 (NM_001278374) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MPP2
Synonyms:	DLG2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC238077 representing NM_001278374 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTGGGCATCCGAAGACAGCCGGAGAACATCTGGGTGTAAACGTTCCGCGTGGAGGGCGCGAGCTGG
TGATCGCGCGCATTCTGCATGGGGCATGGTGGCTCAACAAGGCCTGCTGCATGTGGGTGACATCATCAA
GGAGGTGAACGGGCAGCCAGTGGGCAGTGACCCCCGCGCACTGCAGGAGCTCCTGCGCAATGCCAGTGGC
AGTGTCATCCTCAAGATCCTGCCAGCTACCAGGAGCCCCATCTGCCCGCCAGGATATTTGTGAAATGTC
ACTTTGACTATGACCCGGCCCGAGACAGCCTATCCCCTGCAAGGAAGCAGGCCTGCGCTTCAACGCCGG
GGACTTGCTCCAGATCGTAAACCAGGATGATGCCAACTGGTGGCAGGCATGCCATGTGCAAGGGGGCAGT
GCTGGGCTCATTCCCAGCCAGCTGCTGGAGGAGAAGCGGAAAGCATTTGTCAAGAGGGACCTGGAGCTGA
CACCAAACCTCAGGGACCCTATGCGGCAGCCTTTCAGGAAAGAAAAGAAGCGAATGATGTATTTGACCAC
CAAGAAATGCAGAGTTTGACCGTCATGAGCTGCTCATTTATGAGGAGGTGGCCCGCATGCCCCGTTCCGC
CGGAAAACCTGGTACTGATTGGGGCTCAGGGCGTGGACGGCGCAGCCTGAAGAACAAGCTCATCATGT
GGGATCCAGATCGCTATGGCACCACGGTGCCTACACCTCCCGGGCGCGAAAGACTCAGAGCGGGAAGG
TCAGGGTTACAGCTTTGTGTCGCGTGGGAGATGGAGGCTGACGTCCGTGCTGGGCGCTACCTGGAGCAT
GGCGAATACGAGGGCAACCTGTATGGCACACGTATTGACTCCATCCGGGGCGTGGTGCCTGCTGGGAAGG
TGTGCGTGTGGATGTCAACCCCGAGCGGTGAAGGTGCTACGAACGGCCGAGTTTGTCCCTTACGTGGT
GTTTCATCGAGGCCCGAGACTTCGAGACCCTGCGGGCCAAGAAGGGCTGCGCTGGAGAGTGAATATCC
ACCAAGCAGCTCACGGAGGCGGACCTGAGACGGACAGTGGAGGAGAGCAGCCGCATCCAGCGGGGTACG
GGCACTACTTTGACCTCTGCCTGGTCAATAGCAACCTGGAGAGGACCTTCCGCGAGCTCCAGACAGCCAT
GGAGAAGCTACGGACAGAGCCCCAGTGGTGCCTGTCAGCTGGGTGATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC238077 representing NM_001278374
Red=Cloning site Green=Tags(s)

MVGIRKTAGEHLGVTFRVEGGELVIARILHGGMVAQQGLLHVGDIIKEVNGQPVGSDPRALQELLRNASG
 SVILKILPSYQEPHLPRQVFKCHFVDYDPARDSLIPCKEAGLRFNAGDLLQIVNQDDANWWQACHVEGGS
 AGLIPSQLLLEEKRAKAFVKRDLELTPNSGTLCGSLSGKKKKRMMYLTTKNAEFDRHELLIYEEVARMPPFR
 RKTLVLIGAQGVGRRSLKNKLI MWDPDRYGTTPYTSRRPKDSEREGQYSFVSRGEMEADVRAGRYLEH
 GEYEGNLYGTRIDSIRGVVAAGKVCVLDVNPQAVKVLRTAEFVPYVVFIEAPDFETLRAMNRAALESGIS
 TKQLTEADLRRTVEESSRIQRGYGHYFDLCLVNSNLERTFRELQTAMEKLRTEPQWVPVSWVY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

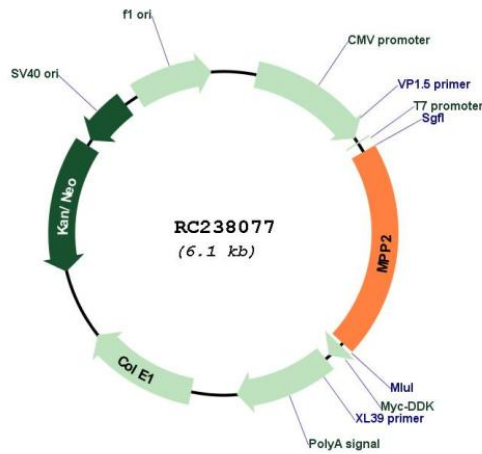
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001278374

ORF Size:	1239 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_001278374.2
RefSeq Size:	4526 bp
RefSeq ORF:	1242 bp
Locus ID:	4355
UniProt ID:	Q14168
Cytogenetics:	17q21.31
Protein Families:	Druggable Genome
MW:	47 kDa
Gene Summary:	Palmitoylated membrane protein 2 is a member of a family of membrane-associated proteins termed MAGUKs (membrane-associated guanylate kinase homologs). MAGUKs interact with the cytoskeleton and regulate cell proliferation, signaling pathways, and intracellular junctions. Palmitoylated membrane protein 2 contains a conserved sequence, called the SH3 (src homology 3) motif, found in several other proteins that associate with the cytoskeleton and are suspected to play important roles in signal transduction. [provided by RefSeq, Jul 2008]