

## Product datasheet for **RG238867**

### **MPP2 (NM\_001278381) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MPP2 (NM_001278381) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MPP2
Synonyms:	DLG2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG238867 representing NM\_001278381.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCCGGTTCGCCCCACCAACTTGAAACTGCCATGCAGCAAGTCTGGACAACCTGGGATCCCTCCCC
AGTCCACCGGGGCTGCAGAGCTGGACCTGATCTTCTTCGAGGCATTATGGAAAGTCCCATAGTAAGA
TCCTTGCCAAGGCCATGAGAGGCTGGAGGAGACGAAGCTGGAGGCCGTGAGAGACAACAACCTGGAG
CTGGTGCAGGAGATCCTGCGGGACCTGGCGCAGCTGGCTGAGCAGAGCAGCACAGCCGCCGAGCTGGCC
CACATCTCCAGGAGCCCCACTTCCAGTCCCTCTGGAGACGCACGACTCTGTGGCTCAAAGACCTAT
GAGACACCACCCCGAGCCCTGGCTGGACCCTACATTAGCAACCAGCCTGTACCTCCCGATGTGTG
CGCATGGTGGGCATCCGCAAGACAGCCGGAGAACATCTGGGTGTAACTTCCGCTGGAGGGCGCGGAG
CTGGTATCGCGGCATTCTGCATGGGGCATGGTGGCTCAACAAGGCCTGCTGCATGTGGGTGACATC
ATCAAGGAGGTGAACGGGACCCAGTGGGCAGTACCCCCGCGCACTGCAGGAGCTCTGCGCAATGCC
AGTGGCAGTGTATCCTCAAGATCTGCCAGCTACCAGGAGCCCATCTGCCCGCCAGGTATTTGTG
AAATGTCACTTTGACTATGACCCGGCCGAGACAGCCTCATCCCCTGCAAGGAAGCAGGCCCTGCGCTTC
AACGCCGGGACTTGCTCCAGATCGTAAACCAGGATGATGCCAACTGGTGGCAGGCATGCCATGTCGAA
GGGGCAGTGTGGGCTATTCCAGCCAGCTGCTGGAGGAGAAGCGAAAGCATTGTCAAAGGGGAC
CTGGAGCTGACACCAACTCAGGACCCTATGCCGCAGCCTTTCAGGAAAGAAAAAGAAGCGAATGATG
TATTTGACCACCAAGAATGCAGAGTTTGACCGTCATGAGCTGCTCATTTATGAGGAGGTGGCCCGCATG
CCCCGTTCGCCGAAAACCTGGTACTGATTGGGGCTCAGGGCGTGGGACGGCGCAGCCTGAAGAAC
AAGCTCATCATGTGGATCCAGATCGCTATGGCACCACGGTGCCTACACCTCCCGCGGGCCGAAAGAC
TCAGAGCGGGAAGTCAAGGTTACAGCTTTGTCCCGTGGGAGATGGAGGCTGACGTCGCTGCTGGG
CGCTACCTGGAGCATGGCGAATACGAGGGCAACCTGTATGGCACACGTATTGACTCCATCCGGGGGCTG
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TTTGTCCCTTACGTGGTGTTCATCGAGGCCCGAGACTTCGAGACCCTGCGGGCCATGAACAGGGCTGCG
CTGGAGAGTGGAAATCCACCAAGCAGCTCACGGAGGCGGACCTGAGACGGACAGTGGAGGAGAGCAGC
CGCATCCAGCGGGGCTACGGGCACTACTTTGACCTCTGCCTGGTCAATAGCAACCTGGAGAGGACCTTC
CGCGAGCTCCAGACAGCCATGGAGAAGCTACGGACAGAGCCCGAGTGGTGCCTGTCAGCTGGGTGAT
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
```

**Protein Sequence:**

>Peptide sequence encoded by RG238867  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MPVAATNSETAMQQVLDNLGSLPSATGAAELDLIFLRGIMESPIVRSLAKAHERLEETKLEAVRDNNLE
LVQEILRDLAQLAEQSSTAELAHILQEPHFQSLLETHDSVASKTYETPPPSPGLDPTFSNQPVPPDAV
RMVGIRKTAGEHLGVTFRVEGGELVIARILHGGMVAQQGLLHVGDIIKEVNGQPVGSDPRALQELLRNA
SGSVILKILPSYQEPHLPRQVFVKCHFDPARDSLIPCKEAGLRFNAGDLLQIVNQDDANWWQACHVE
GGSAGLIPSQLLEEKRFVVRDLELTPNSGTLGSLGKKKKRMMLYTTKNAEFDREHELLIYEEVARM
PPFRRKTLVLIQAQGVGRRSLKNKLI MWDPDRYGTTPVYTSRRPKDSEREGQGYSFVSRGEMEADVRAG
RYLEHGEYEGNL YGTRIDSIRGVAAGKVCVLDVNPQAVKVLRTAEFVYVVFIEAPDFETLRAMNRAA
LESGISTKQLTEADLRRTVESSRIQRGYGHYFDLCLVNSNLERTFRELQTAMEKLRTEPQWVPVSWVY
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

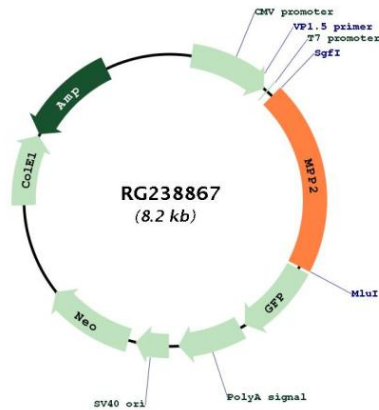
**Restriction Sites:**

Sgfl-MluI



**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]

**Product images:**


Circular map for RG238867