

## Product datasheet for **RG238806**

### **MPP2 (NM\_001278371) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MPP2 (NM_001278371) 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)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG238806 representing NM\_001278371.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCAGCAAGTCCTGGACAACCTGGGATCCCTCCCAGTGCCACGGGGGCTGCAGAGCTGGACCTGATC
TTCCCTTCGAGGCATTATGGAAAGTCCCATAGTAAGATCCCTGGCCAAGGCCCATGAGAGGCTGGAGGAG
ACGAAGCTGGAGGCCGTGAGAGACAACAACCTGGAGCTGGTGCAGGAGATCCTGCCGGACCTGGCGCAG
CTGGCTGAGCAGAGCAGCACAGCCGCCGAGCTGGCCACATCCTCCAGGAGCCCCACTTCCAGTCCCTC
CTGGAGACGCACGACTCTGTGGCCTCAAAGACCTATGAGACACCACCCCCAGCCCTGGCCTGGACCCT
ACATTCAGCAACCAGCCTGTACCTCCCGATGCTGTGCGCATGGTGGGCATCCGCAAGACAGCCGGAGAA
CATCTGGGTGTAACGTTCCGCGTGGAGGGCGCGAGCTGGTGATCGCGGCATTCTGCATGGGGCATG
GTGGCTCAACAAGCCTGCTGCATGTGGTGACATCATCAAGGAGGTGAACGGGCAGCCAGTGGGCAGT
GACCCCGCGCACTGCAGGAGCTCCTGCGCAATGCCAGTGGCAGTGTATCCTCAAGATCCTGCCAGC
TACCAGGAGCCCCATCTGCCCGCCAGGATTTTGTGAAATGTCACCTTTGACTATGACCCGGCCCGAGAC
AGCCTCATCCCCTGCAAGGAAGCAGGCCTGCGCTTCAACGCCGGGACTTGTCTCCAGATCGTAAACCAG
GATGATGCCAACTGGTGGCAGGCATGCCATGTCGAAGGGGGCAGTGTGGGCTCATTCCAGCCAGCTG
CTGGAGGAGAAGCGAAAGCATTGTCAAGAGGGACCTGGAGCTGACACCAAACCTCAGGGACCCTATGC
GGCAGCCTTTTCAGGAAAGAAAAGAAGCGAATGATGATTTGACCACCAAGAATGCAGAGTTTGACCGT
CATGAGCTGCTCATTTATGAGGAGGTGGCCCGCATGCCCCGTTCCGCCGAAAACCTGGTACTGATT
GGGGCTCAGGGCGTGGGACGGCGCAGCCTGAAGAAACAGCTCATCATGTGGGATCCAGATCGCTATGGC
ACCACGGTGCCCTACACCTCCCGCGCGCGAAAGACTCAGAGCGGAAGGTGAGGGTTACAGCTTTGTG
TCCCGTGGGAGAGATGGAGGTGACGTCCGTGCTGGGCGTACTGGAGCATGGCGAATACGAGGGCAAC
CTGTATGGCACACGTATTGACTCCATCCCGGGCGTGGTCTGCTGGGAAGGTGTGCGTGTGGATGTC
AACCCCAAGCGGTGAAGGTGCTACGAACGGCCGAGTTTGTCCCTTACGTGGTGTTCATCGAGGCCCA
GACTTCGAGACCTGCGGGCCATGAACAGGGCTGCGCTGGAGAGTGAATATCCACCAAGCAGCTCAGC
GAGGGCGACCTGAGACGGACAGTGGAGGAGAGCAGCCGCATCCAGCGGGCTACGGGCACTACTTTGAC
CTCTGCCTGGTCAATAGCAACCTGGAGAGGACCTTCCGCGAGCTCCAGACAGCCATGGAGAAGCTACGG
ACAGAGCCCCAGTGGGTGCTGTCAGCTGGGTGTAC
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
```

**Protein Sequence:**

>Peptide sequence encoded by RG238806  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MQQVLDNLGSLPSATGAAELDLIFLRGIMESPIVRS LAKAHERLEETKLEAVRDNNLELVQEILRDLAQ
LAEQSSTAAELAHILQEPHFQSLLETHDSVASKTYETPPPSPGLDPTFSNQVPPDAVRMVGIRKTAGE
HLGVTFRVEGGELVIARILHGGMVAQQGLLHVGDIIKEVNGQPVGSDPRALQELLRNAGSVILKILPS
YQEPHLPRQVFKCHFVDYDPA RDSLIPCKEAGLRFNAGDLLQIVNQDDANWWQACHVEGGSAGLIPSQ
LEEKRFVVKRDLELTPNSGTL CGSLSGKKKKRMMYLTTKNAEFDREHELLIYEEVARMPPFRRKTLVLI
GAQGVGRRSLKNKLI MWDPDRYGTTPYTSRRPKDSEREGQGYSFVSRGEMEADV RAGRYLEHGEYEGN
LYGTRIDSIRGVVAAGKVCVLDVNPQAVKVLRTAEFVYVVFIEAPDFETLRAMNRAALES GISTKQLT
EADLRRTVESSRIQRGYGHYFDLCLVNSNLERTFRELQTAMEKLRT EPQWVPVSWVY
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPE
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

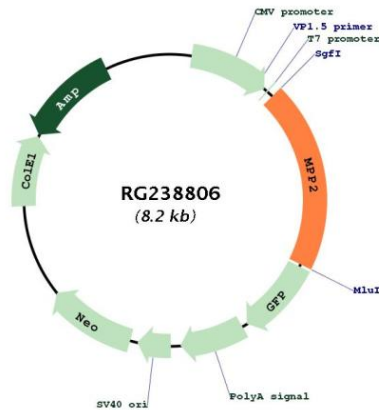
**Restriction Sites:**

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 RG238806