

Product datasheet for **RN216896**

Mpp2 (NM_053513) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mpp2 (NM_053513) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mpp2
Synonyms:	Dlg2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216896 representing NM_053513
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGGTTGCTGCCACGAAGCTGAGTCTGCTATGCAGCAAGTCTTGGACAACCTGGGATCCCTGCCCA
 ATGCCACTGGGGCTGCGGAAGTGGACCTGATCTTCCTTCGAGGGATAATGGAAAGTCCGATAGTCAGATC
 CCTGGCCAAGGCCACGAGCGGCTGGAGGAGACCAAGCTGGAGGCCGTTCCGGGATAACAACCTGGAGCTG
 GTGCAGGAGATCCTTCGGGACCTGGCAGAGCTGGCAGAGCAGAGTAGCACGGCTGCGGAGCTGGCACGCA
 TCCTCCAAGAGCCTCACTTCCAGTCCCTCCTGGAGACACATGACTCAGTGGCCTCAAAGACCTATGAGAC
 ACCACCCCCAGTCCAGGTCTAGATCCCAGTTTAGCAACCAGCCGGTACCTCCTGATGCTGTGCGCATG
 GTGGGCATTGAAAGACCGCAGGAGAACATCTGGGTGTGACATCCGAGTGGAGGGTGGTGGAGCTGGTGA
 TTGCCCGAATTCTGCACGGGGCATGGTGGCGCAGCAAGGTCTGTGCATGTTGGTGACATCATCAAGGA
 AGTGAATGGGCAGCCAGTGGGCAGCGATCCCCGGGCACTGCAGGAACTCCTACGCAGCGCCAGTGGTAGC
 GTCATCCTCAAGATCCTGCCAGTTACCAGGAACCCACCTGCCCGACAGGTGTTTGTAAATGCCACT
 TCGATTACGACCCTGCCCGGACAGTCTCATCCCTGCAAGGAAGCAGGCCTGCGCTTCAACGCCGGAGA
 CTTGCTCCAGATTGTAACCAAGATGATGCCAATTGGTGGCAGGCATGCCATGTCGAAGGGGGCAGCGCA
 GGACTCATCCCCAGCCAGTTGTTGGAGGAGAAGCGGAAAGCATTGTCAAACGGGACCTGGAAGTACCC
 CGACCTCAGGGACCCTGTGCGGCAGCCTTTAGGAAAGAAAAAGAAGCGAATGATGTATTTGACCACCA
 GAATGCAGAGTTTGACCGCCATGAGCTGCTTATCTATGAGGAGGTGGCCCGCATGCCCCATTCCGTAGG
 AAAACCTGGTGTGATTGGCGCGCAGGGTGTGGGCCGCGAAGCCTGAAAAACAAGCTCATTCTGTGGG
 ATCCAGACCGCTACGGCACACAGTCCCTACACATCCCGGAGGCCAAGGACTCAGAACGGGAGGGGCA
 GGGCTACAGCTTTGTGTCTCGTGGGAGATGGAGGCTGACATCCGCGCCGGGCGCTACTTGGAGCATGGC
 GAGTATGAGGGCAACCTGTACGGCACGGGATCGACTCCATCCGGGGCGTTGTTGCCTCGGGCAAGGTGT
 GCGTGCTGGATGTCAACCCTCAGGCGGTGAAGTCTGAGGACAGCTGAGTTTGTCCCTACGTGGTGT
 CATCGAGGCTCCTGACTTTGAGACTCTGCGGGCCATGAACCGAGCTGCCCTGGAGAGCGGAGTGTCCACT
 AAGCAGCTGACGGAGCGGATCTGAGGCGGACAGTGGAGGAGAGCAGCCGCATCCAGAGAGGCTATGGGC
 ATTACTTCGACCTCAGCCTGGTCAACAGCAACCTGGAGAGGACCTTCCGCGAGCTCCAGACTGCCATGGA
 GAAGCTTCGCACGGAGCCCCAGTGGGTGCCTGTGAGCTGGGTGTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_053513
- Insert Size:** 1659 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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:

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_053513.1](#), [NP_445965.1](#)

RefSeq Size: 2198 bp

RefSeq ORF: 1659 bp

Locus ID: 85275

UniProt ID: [D3ZAA9](#)

Cytogenetics: 10q32.1

Gene Summary: a protein related to CASK that may play a role in synaptic vesicle exocytosis and synaptic junctions [RGD, Feb 2006]