

Product datasheet for **RN216954**

Mpp3 (NM_053668) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mpp3 (NM_053668) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mpp3
Synonyms:	CSG18; Dlg3; Dusp3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216954 representing NM_053668
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCGCTACTGTCCGAAGACTCGGGTTTGCATGAGACCTGGCACTCCTCACCTCTCAGCTCAGGCCTG
 ACTCCAACCACAGGGAGGAGATGGCTTCTGAGGGATGTCTCAGTGAGAAGAGCCTCGTTACTTAAT
 GAAGATTCACGAGAACTCCGCTATTATGAGAGGCAGAGTCCGACCCCGTCTCACACAGCGCCATGGCC
 CTTGCTGAGGATGTGATGGAGAACTGCAGGCTGCCTCGGTGCACAGCGATGAACGGGAGCTGCTACAGC
 TGCTGTCCACCCCCACCTCAGGCTGTGCTCATGGTACACGACACAGTTGCCAGAAGAACTTCGATCC
 TGTTCTGCCCCCTCTGCCTGATAATATCGACGAGGATTTGAAGAGGAATCAGTGAAGATTGTTCCGCTT
 GTCAAGAATAAGGAGCCCTGGGTGCCACTATCCGAAGGGATGAGCATTGGGGGCTGTCGTGGTGGCCA
 GGATCATGCGAGGGGGTGCAGCGGATCGGAGCGGTCTGGTCCACGTTGGTACGAGCTCCGGGAGGTGAA
 TGGGATCACCGTCTGCACAAACGTCCAGACGAGATCAGCCAAATCTGGCCCAATCCCAGGGATCCATC
 ACCCTCAAGATCATCCCTGCCACCCAGGAGGAAGACCGCTTCAAAGAGAGCAAGGTTCATGCGTGCC
 TCTTCCACTATGACCCTCGGGAGGACCGTGCCATCCCCTGCCAGGAGGCAGGCCTGCCCTTCCAGCAGAG
 GCAGGTCTGGAGGTGGTGGCCAAAGTACCCACCTGGTGGCAGGCCAAGAGAGTGGGAGACCAAC
 CTTGAGCTGGCCTATTCCCTCCAAGCAGTTCAGGAGAGGAGGCTAAGCTACCGGAGAACCCTGGCA
 CCATACCAAGCCCCCAGAACCTCAGAAAGCCCCTCTATGATCAGCCTTGACAAAGAGACCTGTGACTG
 TGATGGTACTTCAAAGGACACTATGTGGCTGGCTTCCGAGAAGCTTCCGACTGGGCTGCAGAGAGAGG
 CTGACTGGTTCACAGGAAGTAAAGTCCCTGTAGGAGCTGAGTCTCAGGTGCTGCTGACCTACGAGGAAG
 TGGCCAGGTACCAACACCAGCCTGGGGAGCGGTCCCGCTGGTGGTCTCATTGGGTCTCTGGGAGCCCA
 CCTGCACGAGCTGAAGCAAAGGGTGGTGGCTGAGGACCCCGCAGCATTGTTGGTGTGCTGTTCCACACACC
 ACCAGGCCCGGAAGAGCCACGAGAGAGAAGGGTTCGAGTATCATTGTTGCTCCAAGCAAGCATTGAGG
 CCGACATCCAGCACAACAAGTTCCTGGAACATGGAGAACATAAGGAGAATCTCTACGGGACCAGCCTGGA
 GGCCATTAGACCGTATGGCCAAAAACAAGTTGTTTGGTGGATGTAGAACCAGAAGCACTAAGACAC
 CTGAGGACCCCGAGTTAAGCCCTATGTTATATTTGTGAAGCCTGCAATTCAGGAGAAAAGGAAGACGC
 CGCCGGTGTCCCAGACTCTGAGGACCCAGCAACTCCACTTGATGAACAGCAGCAAGAGATGGCCGCTC
 TGCTGCCTTATTGATCAGCACTACGGACCTGATAGACACCGTCTGCTACGGCAGGACCTGCAGAGT
 GTCTGCAGCCAGCTCCGAGCTGTCATAGAGTCGCTGAGCAAGGACACTTACTGGGTACCCATCAGCTGG
 TGAGGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_053668
- Insert Size:** 1758 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_053668.1](#), [NP_446120.1](#)

RefSeq Size: 2822 bp

RefSeq ORF: 1758 bp

Locus ID: 114202

UniProt ID: [O88954](#)

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]