

## Product datasheet for MR226285

### Pappa2 (NM\_001085376) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pappa2 (NM\_001085376) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Pappa2  
**Synonyms:** PAPP-A2; Pappo; PLAC3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR226285 representing NM\_001085376  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATGTGTTGGAAGGTCTGAGAATAAGCCTGGTGGTCTGACTGGGTGGGCACTCAGTACCACCAACT  
 CAGAGCAGGGCTGGACACGCAAGAAATTCCTGGCCAGAAGAACACCTGAACCAAGTGTGTTGGAAGG  
 GGAACGCTGTTGGCTGGGTATAAGGTTCAAGACCCAGGACTGCTCCACAGCACCATCTCTTTGGGGTC  
 TACCCAAGCCGCTCGAAAACACCAAGGTCTATCCTGTGGGACACAGCAGCAAACCTGTATGCAG  
 AATGGAGTCAGCGAAGCCAGAGAGACAGGCTCCGAGTGGTATTCCTCCGAGACCTGACTGAAAACCCAGC  
 AGGAGCAAGGAGAGAGTCTCAGCAGCCAGCTGCCCGTGGTAGGGGATGGTCTATTGGCAATCGCAG  
 CTGCTGAGAAATGATGACTTATCTTGCCGAGGGAGGATCTAAGGAGGCTCTAGGTGAGCTGCGATTC  
 AGGGAAGCTCAGAAATGCTGTCTCCACATTGTACCTTCGCATATCAGAAGGGACCCACAGCAGAGAC  
 CCAGAGGAAGGGCCAGTCCAAGTCTAGGCTTCCTCGCCAAGTGCAGAAGAGGCAGGCAGAAGACATGACT  
 GGAGACCCCAAGTACCCCTCAAGTTCAGCTTTGGCCTAAAGAGCCACTTAAGCATGGAGATAGTG  
 ACAGTCCATTGGAGGGCACCATCCAAAATGGTGGAGGGGCTCTCTCCGAGAGTAGAGACCTTTAACTC  
 CCAAGGAGGATTGCCTGTACTGTATTTCACTGGGAAGAGGGAGCGGCTGTTGCTGCGTCCAGAAGTGCTG  
 GCTGAGATTCCTCCGGGAGGCGTTACAGTGGAAAGCCTGGGTGAGACCAGAGGGAGCAGAGCAACCCAG  
 CCATCATTGCAGGTGTGTTGATAACTGCTCCACACAGTCAATGACAAGGCTGGGCCCTGGGGATCCG  
 CTCAGGGAAGGACAAGGGGTGGAGAGATGCTCGTTCCTTTTCCCTCCGCACTGACCGGATGAAGAAA  
 GCCACTATTGTGACTGGCCACAGCCGTTACCAGCCAGGCATGTGGACTCATGTAGCAGCCACTTACGATG  
 GACAGCATACAGCTCTGTATGTGGATGGCACTCGAGTGGCTAGTAGTCGTGACCAGTTTGGACCGCTAAA  
 TAGCCCTTTCATGGCGTCTTGCCGCTCTTAACTCCTGGGAGGGGACAGCTCCGAGGATGGACATTATTC  
 CGTGGTTACCTGGGCACACTGGTAATCTGGTCGACCGCCCTTTCACAAACCCACCTCCAGCACAGTCCCC  
 TGCATCCAAGTGCAGCAGATGAGTTGACCACCCTGATCCTGACAGCCACTTTCGATCCTCTGATGGAACA  
 GTGGGCTCCATTTAGAGATGACTTATATCCCGGCTGGAGGTTCTCCAGGACTCTGAGTCACAGCCTGAG



[View online »](#)

ATTCTGTACCTTTACAACCCACCTTGTGGGCAAACAGCTTGTGACAATGTGGAACATCTCCCAGT  
 ACAATAAGCATGGGCCCTTCGTAGAGAGAAAGTGATCCGCTACCAGGTGGTAAACATCTATGATGATGA  
 GGGTCTGCATCCCATTGTGAGTGATCATCAGATCCGCCGTGAGTCCAGTCCCAACTCCACCCTGCCACC  
 CGCTACAATATCAGCTGGCAGCTGAGTGTCCACCGAGTCCACAACCTCCACCCTGCCACC  
 TTGTTAATTGTGAGCCCAGCAAGATTGGCAATGACCACTGTGACCCTGAATGTGAGCATCCACTC  
 CCGGCTTCGATGGGGCGATTGCCCTGCAGGACGCTGCTACTCTGGAATCGCAGGGATGGCTCTGTCAC  
 GTGGAGTGCAACAACATGCTGAATGACTTCGATGATGGAGACTGCTGCGATCCGGAAGTGACTGATGCC  
 GAAAGACTTGCTTGTGACTCACCACCAAGAGGCATACATGAGTGTGAAGGAACTAAAGGAGGCCCTT  
 GCAGCTCAACAGCACTCACTTCTTAATGTCTACTTCGCCAGCTCAGTCCGGGAAGACCTTGCAGTTCT  
 GCCACATGGCCCTGGGACAAGGAAGCTCTCAGTCACTGGGTGGTGTGCTCAACCAACCTATTATG  
 GCATGCTTGGCCACCAACATCATGATCCATGAGGTGGGACATGCTCTGGGACTCTACCATGATTCAA  
 AGGAGTCAGTGAAAGAGAATCCTGTGATGATCCCTGTAGAGAGACAGTCCATCCATGGAGACAGGAGAC  
 CTGTGTGCTGACTGCTCCACACCAAGAGCAAGCTGTGTCGGGACCCAGAGCCAGCTAATGACACCT  
 GTGGCTTACCCTCTCCAGGGCTCCGTTCAATAACTACATGAGCTACACAGATGATGAGTGCACCTGA  
 CAACTTACCCTAACCAGTGGCCGGATGCATTGCTACTTGGACCTCGTATACCAGCAATGGAGTGAA  
 AGCCAAAAACCTACCCCATACCCATACCCCATGGTTATTGGGCAAACCCACAAGTCCCTTACTATCC  
 ATTTGGCTGCCTCAATCAGTGGAGTTGTGTATGATAGGGCCCTGACAGCATGTGTAGTGCCTGCACTGA  
 AGATGGGACATCCGTCAGTATGTATACAAGGCATCCTCTGGGCGGTGTGTGACTCTTACAGTTACTGG  
 ACTCCAGAGGAGGCTGTGGGCCCTCCTGATGTCGATCAACCCTGTGAGCCTAGCTTGCAGGCCTGGAGTC  
 CTGAGCTCCACCTAAACCACATGAATATGACCGTGCCTGCCAGCAGAAAGGCTGTAGCTTGGAGTTGCT  
 TTTTCAATACCCGGTCCAGGCGGATACCCTCACCTCTGGGTCACTTACCTCTCCATGAACCTTTCCAAG  
 GCATTCTTTGACATAGAGATCTTGCTAGAACAACAAAAATCTATGCACCTTGGACCTTTAAACACTTTTT  
 GTGACATACCGCTCACCATCAAACCTCCACATGGATGAGAAGGTCATGGGAGCGAAAGTACACACCTTTGA  
 TGACGAATGGAATGATGCTGCTCCTGACCTCTCGGCCAATAGTTCCTTGTGTTCTGGATGCAAG  
 CCTATGAGTTACCAGTTCTTCGAGAGCCTCCTTTTTCCAGTGGCTTGGCCATGGTGGTACACATCCAC  
 ACAGAAAGTTCACAGATACGGAGGTATCCCTGGGACAGATGTATCAGTACCAAGTTCAAGCTGAAGCTGT  
 AGGGGAACTCGGAGAAGCTTACCTCCTCTGAGCCACATTCACGGAGGCCCTTACTGTGGAGATGGGAAG  
 GTAGAAAGGAGTATCGGAGAGATGTGTGATGATGGAGACCTGTTGAATGGAGATGGGTGCTCAAGAGCAT  
 GTGAACGGAGGAAGGCTTCAATTTGTCAGGGGAGCCAGCCTTGTACAGGTATGAGGGAGATGGGGT  
 TTGTGAAGATTTGAGAAGGAAAGCATCATCACAGACTGTGCCCTCCACACTCCTGAAGGATATTTGGAT  
 CAGTGGGTAGCCAGGCTTATTCCTACCATGAAGACAAGGAGAAATGTCCTGTTTCCCTGGTAACAGGAG  
 AACCTCATTCAATGATCTGTACTTCATGGCACCAGGATTCATCCCATATCATTCTTCCCTGGCTGGTT  
 TCCTGTGTCTTCACTCTGAAGAAAGACCAGGATGCAGGCAGTGAGCAGGCTAAAGATAGCTGCAGAAG  
 GACAATGAAATTTGGCTTGAAGTGTGTTTCAATAGGCCAGGGGTTGCAGTGGCAATTTACATTTTCTTGG  
 CATCGGATGGCGTGACCCCTGGGAGCATCAGCAGGCAACAGTGACCCCTTACCTGATTGATGTCAGTGG  
 AAGCAACCACTCTCTTGGAACTATGGACTGTCGTGTCAACAAAAATCCACTGGTTATCAATGTGAGCCAT  
 CATGTGAATGTCTACCCCAACATACCTCCTCCATGCTGCTGAATTTTTCATCCCCACTGGTGGGCATCT  
 CAGCAGTGGCTTAAGGACATCCTCCAGACCAGTCTTCCAGTCCCAGTAACTGCATCCCAGAGCAAAA  
 TTATGAGGGAAAGAGCTGTGCTCAACGACCTTGTGGAGAACAGGGAAGATGTGCGCCATTGCTACTCGAT  
 CATACGGACATGGTGAATGTACCTCCAGTAGCCAGGTACATGGAGTGCCTATCACTTGTCAAAGGG  
 GGTATGCTCTCAGACCAGCAGTGGGCAGTACCTGAGGAACATGCAGAAAGAGATTCTCCTTACTTGTTCT  
 CTCTGGCCACTGGGACAAGGATGTGATCTGCAAGCGTCTTACTGTGGTGTCCCAGACTCCTCCTGGTG  
 AATTATGCAAACCTTCTCTGCTTGGAGGTACAGACTTCTGAAACAATGTTCCATCTCGTGTGCTCCAC  
 CGGCTAAGCTCCAAGGACTGAACCCATGGCTGACATGCTTGAAGATGGACTCTGGTCTCCTCCTGAAGT  
 CTACTGCAAGTTGGAATGTGAAGCTCCTCCAGTTATTCCCAATGCCAATCTGCTCCTGCCACATTTCTG  
 GAAGGCAACCATGATGTGGGCACCATCTGCAAATATGAGTGCAAACAGGCTACTATGTGAAGGAGACTT  
 CAGGAAGTCAAGGCAAGAACAAGTCTCCTGAAGATCCAGTGCCTGGATGATGGAAGCTGGGAAACAAGGGAG  
 CTGCGTCCCCGTGGTTTGTGAGCCTCCTCCTCCGGTGTGTTGAAGGCATGTACGAATGACTGATGGCTTC  
 AAGCTGGACAGCCAGTGTGTGCTCAACTGTAACCAAGGAAACGGAAGGGATTCCCATCCTCTGCACTAAAG  
 AGGGGTTGTGGACCCAGGAATCAAGTTGTGTGAAAACCTGCAAGGAGAAATGCCACCCACCCACCTCAGA  
 GCTGAATCTGTGGAGTACAAGTGTGGACAGGGATATGGGATCGGTGCAGTGTGCTCCCCATCATGTGTA  
 ATCCCCCTAGTGACCCTGTGATACTACCAGAGAATGTGACTACTGACACTTTGGAGCACTGGATGGAAC

CTGTCAAAGTCCAGAGTATCGTGTGTACCGGCAGGCGCCAGTGGCACCCAGATCCCTCTCTGGTGCCTG  
 CATCCAGTCATGTGAGCCTTTCCAAGCAGATGGTTGGTGTGACACTATTAATAACCGGGCCTACTGCAAC  
 TATGACGGGGGAGACTGCTGCTCTTCCACACTCTTCCAAGAAGGTCATTCCATTTGCTGCTGATTGTG  
 ACTTGGATGAATGCACCTGTGCGAGACCCCAAGGCAGAAGAAAACCG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR226285 representing NM\_001085376  
 Red=Cloning site Green=Tags(s)

MMCWKVLRISLVLTGWALSTTNSSEQWTRKKFLAQKEHLNQVLEGERCWLGYKVRPRTAPQHHLFGV  
 YPSRLENYPRSYPVGTQQQTLYAEWSQRSPPERQAPSGIPRDLTENPAGARRESQQPAAPWVGDPGIGQSQ  
 LLRNDDTYLGEESKEALGEPAIQGSSEIAVSTIATFAYQKGPTAETQRKGQSKSRLPRQVQKRAEDMT  
 GDPQNTPQGFQLWPKEPLKHGSDSPLGTTIQNGGGASLRVETFNSSQGLPVLYFTGKRERLLLRPEVL  
 AEIPREAFVTEAWVRPEGGQSNPAIIAGVFDNCSHTVNDKGWALGIRSGDKGWRDARFFSLRTRDMKK  
 ATIVTGHSTRYQPMWTHVAATYDQHTALYVDGTRVASSRDQFGPLNSPFMASCRSLILGGDSSEHGHYF  
 RGYLGTLVIWSTALSQTHLQHSPLHPSAADELTTLLTATFDPLMEQWAPFRDDL YPRLEVLQDSESQPE  
 ILSPLQPPPCGQTACDNVELISQYNKHGPLRREKVIRYQVNNIYDDEGLHPVSDHQIRRQHEALNQAFS  
 RYNIWSQLSVHRVHNSTLRHRVVLVNCEPSKIGNDHCDPECEHPLTGFDGGDCRLQGRCSWNRRDGLCH  
 VECNNMLNDFDDGDCCDPEVTDVRKTCFDPDSPKRAYMSVKELKEALQLNSTHFLNYYFASVREDLAGS  
 ATWPDKEALSHLGGVVLNPTYYGMLGHTNIMIHEVGHVGLYHVFKGVSERESCDPDCRETVPSMETGD  
 LCADTAPTPKSKLCRDPEPANDTCGFTLFPGAPFNMYSTYDDECTDNFTPNQVARMHCYLDLVYQQWSE  
 SQKPTPIPIPPMIGQTHKSLTIHWLPPISGVVYDRAPDSMCSACTEDGTFRQYVYKASSGRVCDSSGYW  
 TPEEAVGPPDQVQCEPSLQAWSPHELHNMNMTVPCPAEGCSLELLFQYVPVQADTLTLWVYTLNMSK  
 AFFDIEILLEHKKSMHLGPLNTFCDIPLTIKLMDEKVMGAKVYTFDERMEIDAALLTSRPNSSLCGCK  
 PMSYQVLRPPFSSGLPMVVTHPHRKFDTDEVIPGQMYQYQVQAEAVGELGEASPLSHIHGGPYCGDGK  
 VERSIGEMCDDGDLNNGDGC SRACELEEGFNCA GEP SLCYRYEGDGVCEDFEKESIITDCGLHTPEGYLD  
 QWASQAYSYHEDKEKCPVSLVTGEPHSMICTSWHPDSSPYHSFPGWPCVFSLKKDQDAGSEQAKDSLQK  
 DNEIWLVEVCFNRPGVAVAIYIFLASDGVTPGEHQATVTLYLIDVSGSNHSLGTYGLSCQQNPLVINVSH  
 HVNVYPQHTSSMLLNFSPLVGISAVALRTSSQTSSSAPSNCIPEQNYEGKSCAQRPCGEQGRCAPLLLD  
 HTDMVNCTSSSPGHMECAITCQRGYVLQTSSGQYLRNMQKEILLTSSSGHWKDVICKRLDCGVPDSSLV  
 NYANFSCLEGTDFLKQCSISCVPPAKLQGLNPWLTCLLEDGLWSLPEVYCKLECEAPPVIPNANLLLPHFL  
 EGNHVDVTICKYECKPGYVYKETSQSQGNKFLKIQLDDGSWEQGSVPPVCEPPPPVFEQMYECTDGF  
 KLDSQCVLNCNQEETEGIPILCTKEGLWTQEFKLCENLQGECPPTSELNSVEYKCGQGYGIGAVCSVSCV  
 IPPSDPVILPENVTDTLEHWMPEVKVQSI VCTGRRQWHPDPSLVHICIQSCEPFQADGWCDTINNRAYCN  
 YDGGDCCSSTLSSKKVIPFAADCDLDECTCRDPKAEENQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9008\\_b07.zip](https://cdn.origene.com/chromatograms/mm9008_b07.zip)

**Restriction Sites:**

Sgfl-MluI



- 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\\_001085376.3](#)

**RefSeq Size:** 8602 bp

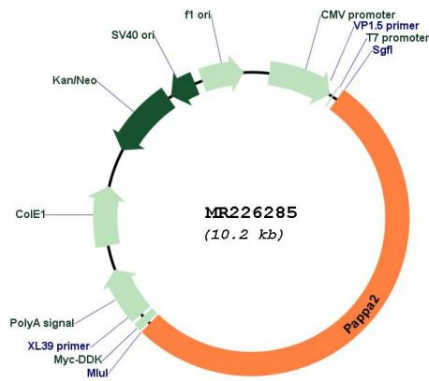
**RefSeq ORF:** 5370 bp

**Locus ID:** 23850

**Cytogenetics:** 1 H1

**MW:** 199.3 kDa

**Product images:**



Circular map for MR226285