

## Product datasheet for **RR212327**

### **Papss2 (NM\_001106375) Rat Tagged ORF Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                        |
| Product Name:             | Papss2 (NM_001106375) Rat Tagged ORF Clone |
| Tag:                      | Myc-DDK                                    |
| Symbol:                   | Papss2                                     |
| Synonyms:                 | MGC189455                                  |
| Mammalian Cell Selection: | Neomycin                                   |
| Vector:                   | pCMV6-Entry (PS100001)                     |
| E. coli Selection:        | Kanamycin (25 ug/mL)                       |



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**ORF Nucleotide Sequence:**

>RR212327 representing NM\_001106375  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCGGAGATCAAGAAGCAGAAGACGGACCAGCAAAAATCCACCAATGTGGTCTACCAGGCCATCATG  
 TGAGCAGGAACAAGAGAGGACAGGTGGTTGGAACCAAGAGGATTTCAGAGGATGTACCGTGGCTAAC  
 AGGTCTCTCCGGCGCTGAAAAACAACCATAAGCTTCGCTTTGGAGGAGTACCTGTGTCTCATGCCATC  
 CCGTGTTACTCCCTGGATGGAGACAATGTCGTCATGGCCTTAACAAGAACCTGGGATTCTCGCCGGG  
 ACCGAGAAGAGAATATCCGTCGAATTGCAGAGGTGGCCAAGCTCTTTGCTGATGCTGGCCTAGTGTGCAT  
 TACCAGTTTTATTCTCCATTTGCAAAGGATCGTGAGAATGCCCGCAAAAATCCACGAATCAGCAGGACTC  
 CCCTTCTTTGAGATCTTTGATAGTGCACCTTTAAATATCTGTGAAAGCCGAGATGAAAAGGACTCTACA  
 AACCGCTCGGGCAGGAGAGATTAAGGGTTTACAGGCATCGATTCCAATTATGAGAAACCCGAGACTCC  
 AGAGTGTGTGCTGAAGACCAACTTGTCTCAGTGAGCGACTGTGTGCAGCAGGTGGTGGAGCTTCTGCAA  
 GAGCAGAGCATTGTTCCCAACACCACCATAAAGGCATCCATGAACTCTTTGTGCCGGAAAAACAAAATTG  
 ATCAAATCCGAGCTGAGTTAGAGACTCTCCCATCACTACCAATTACCAAGCTGGATCTGCAGTGGGTGCA  
 GATTCTGAGCGAAGGCTGGGCCACTCCGCTCAAAGGCTTTATGAGGGAAAAGGAGTACTTGCAAACCTCTG  
 CACTTCGACACCCACTGGACGATGGAGTCATCAACATGAGCATTCCCATCGTACTGCCTGTTTCTGGGG  
 ATGACAAGGCACGGCTCGAAGGCTGCAGCAAGTTTGCCTTGATGTACGAAGGCCGGAGGGTAGCTCTCTT  
 ACAAGACCCTGAATTCTATGAGCATAGGAAAGAGGAGCGTTGTTCTCGTGTGGGGAACAGCCAGTGCA  
 AAACACCCCATATCAAATGGTATGGAAGTGGGACTGGCTTGTGGTGGAGACCTTCAGGTGCTAG  
 AGAGAATACGGTGAATGATGGGCTGGACCAGTACCGCCTGACGCCTCTAGAGCTCAAACAGAAGTATAA  
 AGACATGGATGCTGATGCCGTGTTTGCCTTCCAGTTACGCAATCCCTGTCCACAACGGCCACGCTCTGCTG  
 ATGCAAGACACCCGGCGCAGGCTCCTGGAGAGGGCTACAAGCACCCGGTCTCTGCTGCACCCCTCTCG  
 GGGGCTGGACCAAGGACGATGACGTACCTCTCGACTGGAGGATGAAACAGCATGCGGCTGTGCTGGAGGA  
 AGGGATCTGGATCCCAAGTCGACTATTGTGCCATCTTCCCATCTCTATGTTATACGCTGGGCTTACA  
 GAGGTCCAGTGGCACTGCAGGTGCCAATGATTGCAGGGGCCAATTTCTACATCGTGGGTAGGGATCCTG  
 CAGGAATGCCCTCACCTCTGTGAAATCATTCCATTCCGAGTGGTGCCTACAATAAAATTAAGAAGGCC  
 ATGGACTTTTATGATCCGCAAGGCACGATGAGTTTGACTTCATCTCAGGAACTCGTATGAGGAAGCTCG  
 CCCGGGAAGGAGAAGATCCCCAGATGGCTTCATGGCCCCAAAGCATGGAAGTGTGACAGATTATTA  
 CAGGTCTCTGGAGAAGATCAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR212327 representing NM\_001106375  
 Red=Cloning site Green=Tags(s)

MSEIKKQKTDQKSTNVVYQAHHVS RNKRQVVGTRGGFRGCTVWL TGLSGAGKTTISFALEEYLVSHAI  
 PCYSLDGDNVRHGLNKNLGF SAGDREENIRRIAEVAKLFADAGLVCITSFISPF AKDRENARKIHESAGL  
 PFFEIFVDAPLNICESRDVKGL YKRARAGEIKGFTGIDSNEYKPEPETECVLKTNLSSVSDCVQVVELLQ  
 EQSIVPHTTIKGIHELFPENKIDQIRAELETLPITKLDLQWVQILSEGWATPLKGF MREKEYLQTL  
 HFDTLDDGVINMSIPIVLPVSGDDKARLEGCSKFALMYEGRRVALLQDPEFYEHRKEERCSRVTAS  
 KHPHIKVMMEGGDWLVGGDLQVLERIRWNGLDQYRLTPELEKQKCKMDADAVFAFQLRNPVHNGHALL  
 MQDTRRRLLERGYKHPVLLLHPLGGWTKDDVPLDWRMKQHAAVLEEGILDPKSTIVAI FSPMLYAGPT  
 EVQWHCRMIAGANFYIVGRDPAGMPHPETKKDLYEPHGGKVL SMAPGLTSVEIIPFRVAAYNKIKKA  
 MDFYDPARHDEFDFISGTRMRKLAREGEDPPDGFMAPKAWKVL TDYYRSLEKIN

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_001106375

ORF Size: 1842 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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\\_001106375.2](#), [NP\\_001099845.2](#)

RefSeq Size: 3514 bp

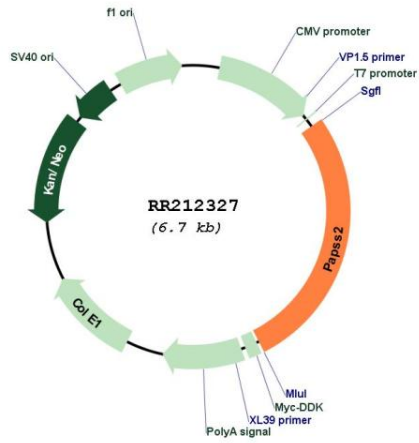
RefSeq ORF: 1845 bp

Locus ID: 294103

Cytogenetics: 1q52

MW: 69.4 kDa

Product images:



Circular map for RR212327