

## Product datasheet for **RR204558**

### **Papss1 (NM\_001106471) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Papss1 (NM_001106471) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Papss1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RR204558 representing NM\_001106471  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGATTCCTGGGAGTCTGTGCAAGAAAGTCAAGCTGAGCAATAACGCACAGAACTGGGGATGCAGA  
 GAGCAACCAACGTCACCTATCAAGCACACCATGTAGCCGGAATAAGAGAGGTCAGGTGGTGGGGACCAG  
 AGGTGGCTTCCGTGGTTGCACAGTTTGGCTGACAGGATTGCTGGAGCAGGGAAGACGACCGTGAGCATG  
 GCTCTGGAGGAGTACCTGGTTTGCATGGCATTCCGTGCTACACTTTGGATGGCGACAACATCCGTC AAG  
 GCCTCAATAAGAACCCTGGCTTCAGTCTGAGGACAGAGAGGAGAATGTTCCGCCATAGCAGAGGTGGC  
 AAAGCTGTTCCGACAGCTGGCCTCGTGTGCATCACAAGTTCATATCGCCCTACACGCAGGTAAGGCAA  
 GGCTTCACTGGGATCGACTCTGAGTATGAGAAACCAGAGGCCCGGAAGTGGTGTGAAAACGGATTCTT  
 GTGATGTCAACGACTGTGTCCAGCAGGTCGTGGAGCTTCTGCAGGAACGGGACATTGTCCCTGTGGATGC  
 CTCCTATGAGGTGAAAGAGCTGTATGTGCCGGAACAACAACTTCACTTGGCCAAAAGTATGCAGAAAGCC  
 TTACCAGCACTGAAAATCAAAAAGTGGACATGCAGTGGGTGCAGTTCTGGCAGAAAGGCTGGGCGACTC  
 CTCTGAACGGCTTCATGAGGGAGAGGGAATACTTGCAGTGCCTTCATTTTACTGTCTTCTGGATGGAGG  
 CGTCATCAACTTATCCGTGCCTATAGTCTGACAGCTACGCAGGAGGACAAGGAGAGGCTGGACGGCTGC  
 ACAGCGTTCGCTCTGGTGTATGAGGGCCCGCTGTGGCCATCCTCCGGAATCCGGAATTTTTTGGAGCACC  
 GGAAAGAGGAGCGTTGCGCCCGACAGTGGGGAACAACGTGCAGGAGCCACCCCTACATCAAGATGATTCT  
 GGAACAAGGGGATTGGCTGATTGGAGGAGATCTTCAAGTCTGGACCGGATTTACTGGAACGATGGCCTT  
 GATCAGTACCGTCTTACCCTGCGGAGCTCAAGCAGAAGTTTAAAGATATGAATGCTGATGCTGTCTTTG  
 CGTTTCAGTTGCGCAACCCAGTGCACAATGGACACGCTCTGCTAATGCAGGACACCCACAAGCAGCTTCT  
 AGAGAGGGGCTACCGGCGTCCAGTCTCCTCCATCCGCTTGGTGGCTGGACGAAGGATGATGATGTC  
 CCTCTGATGTGGCGTATGAAGCAACATGCTGCAGTGTGGAGGAGGCATCCTGAATCCTGAAACAAGT  
 TGGTGGCCATTTTCCATCTCCTATGATGTATGCTGGGCCGACCGAGGTCAGTGGCACTGCAGGGCTCG  
 GATGGTGGCAGGGCCAAATTTTTATATTGTTGGACGAGACCTGCTGGCATGCCTCATCCGGAGACAGGG  
 AAGGACCTCTATGAGCCAACCCACGGTGCCAAAGTGTGACGATGGCCCCGGCTGATCACCTGGAAA  
 TCGTTCCTTCCGAGTCGCAGCTTACAACAAGAAGAAGAGCGGATGGACTACTATGACTCGGATCACCA  
 CGAAGACTTGAATTTATTTAGGAACCCAGGATGCGCAAAGTGGACGTAAGGCCAGAAACCTCCAGAG  
 GGCTTCATGGCCCCAAGCGTGGACTGTGCTGGTGGAGTACTACAAGTCTTAGAGAAAGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR204558 representing NM\_001106471  
 Red=Cloning site Green=Tags(s)

MEIPGSLCKKVKLSNNAQNWGMQRATNVTYQAHHVS RNKRQVVGTRGGFRGCTVWL TGLSGAGKTTVSM  
 AL EEYL VCHGIPCYTL DGNIRQLNKNLGF SPEDREENVRRIAEVAKLFADAGLVCITSFISPYQVVRQ  
 GFTGIDSEYEKPEAPELV LKTDSCDVNDVCVQVV ELLQERDIPVDASYEVKEL YYPENKHLAKTD AEA  
 LPALKINKVDMQWVQVLAEGWATPLNGFM REREYLQCLHFDCLLDGGVINLSVPIVLTATQEDKERLDGC  
 TAFALVYEGRRVA IILRNPEFF EHRKEERCARQWGTTCRSHPYIKMILEQGDWLI GGDLQVLDRIYWN DGL  
 DQYRLTPAELKQKFKDMNADAVFAFQLRNPVHNGHALLMQDTHKQLLERGYRRPVLLHPLGGWTKDDDV  
 PLMWRMKQHA AVL EEGILNPETT VVAIFPSPMMYAGPTEVQWHCRARMVAGANFYIVGRDPAGMPHPETG  
 KDLYEPHGA KVL TMAPGLITL EIVPFRVAAYNKKK RMDYYDSHHEDFEFISGTRMRKLAREGQK PPE  
 GFMAPKAWTVLVEYYKSLEKA

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_001106471

ORF Size: 1743 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\\_001106471.1](#), [NP\\_001099941.1](#)

RefSeq Size: 2375 bp

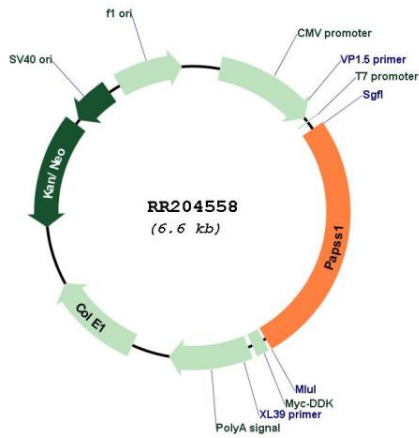
RefSeq ORF: 1746 bp

Locus ID: 295443

Cytogenetics: 2q43

MW: 65.9 kDa

Product images:



Circular map for RR204558