

## Product datasheet for SC118399

### PRPSAP1 (NM\_002766) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRPSAP1 (NM_002766) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRPSAP1
Synonyms:	PAP39
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118399 sequence for NM_002766 edited (data generated by NextGen Sequencing)

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ATGCCCAAGAAGCTGCTGCTGTTGCCCCGCCCTCCGCGTCTCGGCTTCCGCGTCCCG
CGCGCCCGCCCGTTCCCGCGCCGATGAACGCGCTCGCACCGGCTACCGAGTCTTC
TCGGCCAACTCCACGGCCGCTGCACGGAGCTGGCCAAGCGCATCACAGAGCGCCTTGGT
GCTGAATTGGGAAGTCTGTTGTATATCAAGAGACCAATGGAGAAACAAGAGTTGAAATA
AAAGAATCTGTTCTGGCCAAGATATTTTCATTATACAGACAATACCCAGAGATGTGAAT
ACAGCTGTGATGGAGTTGCTCATCATGGCTTACGCACTGAAGACTGCCTGTGCCAGGAAC
ATTATTGGGGTCACTCCCTACTTCCCCTACAGCAAGCAGAGCAAGATGAGGAAGAGGGGT
TCCATTGTGTGCAAGCTGTAGCATCCATGCTGGCGAAAGCAGGTTTAACTCACATTATC
ACTATGGATCTTCATCAAAGGAAATACAAGGCTTTTTTCAGCTTTCCTGTGGACAACCTT
AGAGCCTCACCTTTCCTGCTTCAAGTATATCCAGGAAGAAATTCCAAATTACAGAAATGCA
GTCATTGTAGCTAAGTCTCCTGATGCTGCAAAGAGGGCCAGTCCATGCGGAGAGACTG
CGTCTGGGTTTGGCCGTCATTCACGGGGAAGCTCAGTGCACGGAAGTGGACATGGACGAT
GGTCGTCACCTCCCGCCTATGGTCAAAAATGCTACTGTGCACCCAGGCCTGGAGTTGCCA
TTGATGATGGCCAAGAGAAGCCACCGATAACTGTAGTTGGAGATGTTGGAGGCCGCATC
GCAATCATCGTGGATGACATTATTGACGATGTGGAGAGTTTTGTTGCTGCCGCGGAGATC
CTGAAAGAGAGAGGCCCTATAAGATCTATGTTATGGCCACCCAGGCATCCTGTCTGCA
GAGGCCCTCGCCTGATTGAGGAGTCCCTCCGTAGACGAGGTGGTGGTACGAATACTGTC
CCTCATGAGGTTTCAAGAGCTGCAATGTCCCAAGATAAAGACTGTGGATATCAGTTTGATT
CTTTCTGAAGCCATTCGAGAATCCACAATGGAGAGTCCATGGCCTACCTTTTCCGAAAC
ATCACTGTGGATGACTAG

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Clone variation with respect to NM\_002766.2



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_002766 unedited  
 NGGTCACATTTGTATACGACTACTATAGGGCGGCCGGAATTCGCACGAGGCGGGCGCT  
 GCGAAGGCTCGGCCGCTGTAGTCAGTGGTGTGGGTGCGCAAGGGCACGGACCTCGGAGC  
 TCTCCCGCTTGCGCCGAGTTTCTCAGCGCTTCCCCACCAAACCGGGTCTCGCAGTC  
 GGAAGCACTCCGAGTGCAGCCCCGCGGGGCCGTCGTAAACCGCGCCGGGCCGACG  
 ATGCCAAGAAGCTGCTGCTGTTGCCCGCCCTCCGCGTCTCGGCTTCCGCGTCCCG  
 CGCCCCGCCCGTTCCCCCGCGGCCATGAACGCCGCTCGCACCGGCTACCGAGTCTTC  
 TCGGCCAACTCCACGGCCGCTGCACGGAGCTGGCCAAGCGCATCACAGAGCGCCTTGGT  
 GCTGAATTGGGGAAGTCTGTTGTATATCAAGAGACCAATGGAGAAACAAGAGTTGAAATA  
 AAAGAATCTGTTCTGGCCAAGATATTTTTCATTATACAGACAATACCCAGAGATGTGAAT  
 ACAGCTGTGATGGAGTTGCTCATCATGGCTTACGCACTGAAGACTGCCTGTGCCAGGAAC  
 ATTATTGGNGGTCATCCCTACTTCCCCTACAGCAAGCAGAGCAAGATGAGGAAGAGGGG  
 TTCCATTGTGTCAAGCTGCTAGCATCCATGCTGGCGAAAGCAGGTTTAACTCACATTAT  
 CACTATGGATACTCATAAAAGGAANATACAGGGCTTTTTTTCAGCTTTCCTGTGGACCACC  
 TTAGAGCCTCACCTTTCCTGCTCAGTATATCCAGGAAGGAAATCCAAATTACAGAAATG  
 CAGTCATTGTAGCTAAGTCTCCTGATGCTGCCAAGAGGGGCCAGTCTATGCGGAGAAT  
 GGCGNCNGGGGTTT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_002766 unedited  
 ACTCTGAACCGCGGCACGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTT  
 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAACAACAATATTTTATTTGCAACTTCA  
 AACCCACTCAAATCCCCAAGGGGGATGCTTTTTTAACTGACCTCCTTGAAAATG  
 GAACAACATGAATGCTTTATTTTAAAGGGCTGGAGGCATAACAATTTTGAIAAAAAA  
 TACCATTCTTTATAAAAACTTGAATTTGATTTGGGAAAGGCCAACTGGATATTAATAGG  
 GCCACAGGCCCTCAATTTCCCTAACAGGTTAAACATCAATACCTCCATTTCCCTGGAGC  
 TGAAACAATAAATGAACATTTTAAAGTTAAACTTTTTGGGCCTTAAACCCCTTTTAA  
 AATCAAAAAATTTTCAAATTTTTTAAAAAGCAGCTAAAACCTTTAAGGAACAGGGC  
 TGATGACAACAACATGTAAGGCCCTGTATGAAATTTATCCATTAACCTGGCTTTTTTC  
 CTGACTTTTTAAACCTCCTCCCATCAATCCGGGCAAAAAAATATCTAACTCCAGG  
 CTGTTTCAAGTCTCCCTTGAAGGAAACACTGTTTCACTCATGGCACTGCTTTTTCCAT  
 GTTTCCCTCAGGAGGGCCAGGGTCGAAACCTCGTGAAAGCTAGTCATCCCAGGATGT  
 TTCGAAAAGGGAGGCCATGGACTCTCCATTGTGGATTCTCCGAATGGCTTCANAAGAT  
 CAAACTGATATCCAGTCTTTTTTTGGGACATTGCAGCTTCTGACCTATGAGGGAAGTT  
 TTCGTACCCCAACTCGTCTACGGAGACTTCTCAATAAGCGAAGGGGCCTTCTGCAAANG  
 ATGCCNNGGGGCCATAAATAGATCTTTAAGCCGCTTTTTTTTAAAGATCTCCGGGAAGA  
 ACAAACTCCAATTGTAN

**Restriction Sites:**

ECoRI-NOT

**ACCN:**

NM\_002766

**Insert Size:**

2250 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).

**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\\_002766.1](#), [NP\\_002757.1](#)

**RefSeq Size:** 2359 bp

**RefSeq ORF:** 1071 bp

**Locus ID:** 5635

**UniProt ID:** [Q14558](#)

**Cytogenetics:** 17q25.1

**Domains:** Pribosyltran

**Gene Summary:** Seems to play a negative regulatory role in 5-phosphoribose 1-diphosphate synthesis. [UniProtKB/Swiss-Prot Function]