

## Product datasheet for **RN216905**

### Psap (NM\_001190237) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Psap (NM_001190237) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Psap
Synonyms:	SGP-1; SGP1A
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >RN216905 representing NM\_001190237  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTATGCTCTCGCTCTCCTCGCCAGCCTTCTGGTCACCCTCTGACCAGCCCTGTCCAGGACCCGAAGA  
 TCTGCTCTGGGGCTCAGCAGTAGTGTGCAGAGATGTGAAGACGGCGGTGGACTGTAGGGCTGTGAAGCA  
 CTGCCAGCAGATGGTCTGGAGCAAGCCACAGCAAAATCCCTTCTTGTGACATATGCAAAACGGTTGTC  
 ACCGAAGCTGGAACTTCTGCTGAAAGATAATGCTACTGAGGAGGAGATCCTCCATTACCTGGAGAAGACCT  
 GTGCGTGGATTATGACTCCAGCCTGTGAGCCTTGTGCAAGGAGGTGGTTGACTCTTACCTGCCTGTCAT  
 CCTGGACATGATTAAGGGGGAGATGAGCAACCCCGGGGAAGTGTGCTCTGCGCTCAACCTCTGCCAGTCC  
 CTTCAGGAGTACTGGCCGAGCAAAACCAGAGACAGCTGGAGTCCAACAAGATCCCGGAGGTGGACCTGG  
 CCCGCGTGGTTGCCCTTTCATGTCCAACATCCCTCTCCTGCTGTACCCTCAGGATCGGCCTCGCAGCCA  
 GCCGCAGCCCAAGGCTAACGAGGACGTCTGCCAGGACTGTATGAAGTTGGTACTGACATCCAGACTGCT  
 GTGAGGACCAACTCCAGCTTTGTCCAGGGCTTGGTGGACCACGTC AAGGAGGATTGTGACCGCTCGGGC  
 CAGGCGTGTCTGACATATGCAAGAACTATGTTGACCAGTATTCTGAGGTGCGCGTCCAGATGATGATGCA  
 CATGCAGGATCAGCAACCCAAGGAAATCTGTGTGATGGTTGGCTTCTGTGATGAGGTCAAGAGAGTGCCA  
 ATGAGGACTCTGGTCCCCGCCACTGAGGCCATCAAGAATATCCTCCCTGCCCTGGAGCTGACGGACCCCT  
 ATGAGGATGTGATCCAGGCCCAAAATGTGATTTTCTGCCAAGTTTGTGAGTAAAGCCTGCTCCCTGCTC  
 TGAAGTATTATCAACAATGCCACTGAGGAACTTCTAATTAAGGTTTGTGAGTAAAGCCTGCTCCCTGCTC  
 CCTGCTCTGCTTCAACCAAGTCCAGGAAGTGTGTAACATTTGGCCCTCTCTGTTGGACGTCCTCA  
 TGCATGAGGTGAACCCGAACCTTCTGTGCGGTGTGATCAGCCTCTGTTCTGCCAACCCGAATTTGGTGGG  
 GACCTTGAACAACCTGCAGCAGCCATTGTATCTGCACTGCCCAAGAGCCTGCACCGCCAAAACAGCCT  
 GAAGAGCCCAAGCAGTCTGCATTGCGCGCCATGTGCCTCCTCAGAAGAACGGGGGTTCTGTGAGGTGT  
 GCAAGAAGCTGGTCACTATTTGGAACATAACCTGGAGAAAAACAGCACCAAGGAGGAGATCCTGGCTGC  
 ACTTGAGAAGGGCTGCAGCTTCTGCCAGACCCTTACCAGAAGCAGTGTGATGAATTTGTGGCTGAGTAT  
 GAGCCCTTACTGCTGAAATCCTGTGGAGGTGATGGATCCTTCTTTGTGCTCGAAAATGGAGTCT  
 GCCCTTCTGCCTATAAGCTGCTGCTGGAAACCGAGAAGTGTGCTGGGGCCAGGCTACTGGTGTGAGAA  
 CATGGAGACTGCTGCCCGATGCAATGCTGTCGATCATTGCAAACGCCATGTGTGGAAC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_001190237
- Insert Size:** 1671 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\\_001190237.1](#), [NP\\_001177166.1](#)

**RefSeq Size:** 2582 bp

**RefSeq ORF:** 1671 bp

**Locus ID:** 25524

**Cytogenetics:** 20q11

**Gene Summary:** may play a role in glycolipid transport during spermatogenesis [RGD, Feb 2006]  
Transcript Variant: This variant (3) uses an alternate in-frame splice site in the coding region, compared to variant 2, resulting in a shorter protein (isoform C), compared to isoform B.