

## Product datasheet for **RN216910**

### Psap (NM\_001190236) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Psap (NM_001190236) 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



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**Fully Sequenced ORF:** >RN216910 representing NM\_001190236  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTATGCTCTCGCTCTCCTCGCCAGCCTTCTGGTCACCCTCTGACCAGCCCTGTCCAGGACCCGAAGA  
 TCTGCTCTGGGGCTCAGCAGTAGTGTGCAGAGATGTGAAGACGGCGGTGGACTGTAGGGCTGTGAAGCA  
 CTGCCAGCAGATGGTCTGGAGCAAGCCACAGCAAATCCCTTCTTGTGACATATGCAAAACGGTTGTC  
 ACCGAAGCTGGAACTTCTGCTGAAAGATAATGCTACTGAGGAGGAGATCCTCCATTACCTGGAGAAGACCT  
 GTGCGTGGATTATGACTCCAGCCTGTGAGCCTTGTGCAAGGAGGTGGTTGACTCTTACCTGCCTGTCAT  
 CCTGGACATGATTAAGGGGGAGATGAGCAACCCCGGGGAAGTGTGCTCTGCGCTCAACCTCTGCCAGTCC  
 CTTCAGGAGTACTTGGCCGAGCAAAACCAGAGACAGCTGGAGTCCAACAAGATCCCGGAGGTGGACCTGG  
 CCCGCGTGGTTGCCCTTTCATGTCCAACATCCCTCTCCTGCTGTACCCTCAGGATCGCCCTCGCAGCCA  
 GCCGCAGCCCAAGGCTAACGAGGACGTCTGCCAGGACTGTATGAAGTTGGTACTGACATCCAGACTGCT  
 GTGAGGACCAACTCCAGCTTTGTCCAGGGCTTGGTGGACCACGTC AAGGAGGATTGTGACCGCTCGGGC  
 CAGGCGTGTCTGACATATGCAAGAACTATGTTGACCAGTATTCTGAGGTGCGCGTCCAGATGATGATGCA  
 CATGCAGGATCAGCAACCAAGGAAATCTGTGTGATGGTTGGCTTCTGTGATGAGGTCAAGAGAGTGCCA  
 ATGAGGACTCTGGTCCCCGCCACTGAGGCCATCAAGAATATCCTCCCTGCCCTGGAGCTGACGGACCCCT  
 ATGAGCAGGATGTGATCCAGGCCAAAATGTGATTTTCTGCCAAGTTTGTGAGCTTGTGATGCGCAAAGT  
 GTCTGAACTGATTATCAACAATGCCACTGAGGAACTTCTAATTAAGGTTTGGAGTAAAGCCTGCTCCCTG  
 CTCCCTGCTCTGCTTCAACCAAGTCCAGGAAGTGTGGTAACATTTGGCCCTCTCTGTTGGACGTC  
 TCATGCATGAGGTGAACCCGAACCTTCTGTGCGGTGTGATCAGCCTCTGTTCTGCCAACCCGAATTTGGT  
 GGGGACCTTGAACAACCTGCAGCAGCCATTGTATCTGCACTGCCCAAAGAGCCTGCACCGCCAAAACAG  
 CCTGAAGAGCCCAAGCAGTCTGCATTGCGCGCCATGTGCCTCCTCAGAAGAACGGGGGTTCTGTGAGG  
 TGTGCAAGAAGCTGGTCTCTATTTGGAACATAACCTGGAGAAAAACAGCACCAAGGAGGAGATCCTGGC  
 TGCCTTGAAGAAGGCTGCAGCTTCTGCCAGACCCTTACCAGAAGCAGTGTGATGAATTTGTGGCTGAG  
 TATGAGCCCTTACTGCTGAAATCCTTGTGGAGGTGATGGATCCTTCTTGTGTGCTCGAAAATTGGAG  
 TCTGCCCTTCTGCCTATAAGCTGCTGCTGGGAACCGAGAAGTGTGTCTGGGGCCAGGCTACTGGTGTCA  
 GAACATGGAGACTGCTGCCCGATGCAATGCTGTGATCATTGCAAACGCCATGTGTGGAAC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_001190236
- Insert Size:** 1674 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\\_001190236.1](#), [NP\\_001177165.1](#)

**RefSeq Size:** 2585 bp

**RefSeq ORF:** 1674 bp

**Locus ID:** 25524

**UniProt ID:** [P10960](#)

**Cytogenetics:** 20q11

**Gene Summary:** may play a role in glycolipid transport during spermatogenesis [RGD, Feb 2006]  
Transcript Variant: This variant (2) represents the longest transcript and encodes the longest isoform (B).