

## Product datasheet for **RN216899**

### Psap (NM\_001190238) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Psap (NM_001190238) 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:** >RN216899 representing NM\_001190238  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTATGCTCTCGCTCTCCTCGCCAGCCTTCTGGTCACCCTCTGACCAGCCCTGTCCAGGACCCGAAGA  
 TCTGCTCTGGGGCTCAGCAGTAGTGTGCAGAGATGTGAAGACGGCGGTGGACTGTAGGGCTGTGAAGCA  
 CTGCCAGCAGATGGTCTGGAGCAAGCCACAGCAAATCCCTTCTTGTGACATATGCAAAACGGTTGTC  
 ACCGAAGCTGGAACTTCTGCTGAAAGATAATGCTACTGAGGAGGAGATCCTCCATTACCTGGAGAAGACCT  
 GTGCGTGGATTATGACTCCAGCCTGTGAGCCTTGTGCAAGGAGGTGGTTGACTCTTACCTGCCTGTCAT  
 CCTGGACATGATTAAGGGGGAGATGAGCAACCCCGGGGAAGTGTGCTCTGCGCTCAACCTCTGCCAGTCC  
 CTTCAGGAGTACTTGGCCGAGCAAAACCAGAGACAGCTGGAGTCCAACAAGATCCCGGAGGTGGACCTGG  
 CCCGCGTGGTTGCCCTTTCATGTCCAACATCCCTCTCCTGCTGTACCCTCAGGATCGGCCTCGCAGCCA  
 GCCGCAGCCAAAGCTAACGAGGACGTCTGCCAGGACTGTATGAAGTTGGTACTGACATCCAGACTGCT  
 GTGAGGACCAACTCCAGCTTTGTCCAGGGCTTGGTGGACCACGTC AAGGAGGATTGTGACCGCTCGGGC  
 CAGGCGTGTCTGACATATGCAAGAACTATGTTGACCAGTATTCTGAGGTGCGCGTCCAGATGATGATGCA  
 CATGCAACCCAAGGAAATCTGTGTGATGGTTGGCTTCTGTGATGAGGTCAAGAGAGTGCCAAATGAGGACT  
 CTGGTCCCCGCCACTGAGGCCATCAAGAATATCCTCCCTGCCCTGGAGCTGACGGACCCCTATGAGGATG  
 TGATCCAGGCCAAAAATGTATTTCTGCCAAGTTTGTGACGTTGTGATGCGCAAGTTGTCTGAAGTAT  
 TATCAACAATGCCACTGAGGAACCTTAATTAAGGTTTGAGTAAAGCCTGCTCCCTGCTCCCTGCTCCT  
 GCTTCAACCAAGTGCCAGGAAGTGTGGTAACATTTGGCCCTCTCTGTTGGACGTCCTCATGCATGAGG  
 TGAACCCGAACCTTCTGTGCGGTGTGATCAGCCTCTGTTCTGCCAACCCGAATTTGGTGGGACCCTTGA  
 ACAACCTGCAGCAGCCATTGTATCTGCACTGCCAAAGAGCCTGCACCGCCAAAACAGCCTGAAGAGCCCC  
 AAGCAGTCTGCATTGCGCGCCCATGTGCCTCCTCAGAAGAACGGGGGTTCTGTGAGGTGTGCAAGAAGC  
 TGGTCACTATTTGGAACATAACCTGGAGAAAAACAGCACCAAGGAGGAGATCCTGGCTGCACCTGAGAA  
 GGGCTGCAGTCTCCTGCCAGACCCTTACCAGAAGCAGTGTGATGAATTTGTGGCTGAGTATGAGCCCTTA  
 CTGCTGGAATCCTTGTGGAGGTGATGGATCCTTCTTTGTGCTCGAAAATTGGAGTCTGCCCTTCTG  
 CCTATAAGCTGCTGCTGGGAACCGAGAAGTGTCTGGGGCCAGGCTACTGGTGTGCAACATGGAGAC  
 TGCTGCCCGATGCAATGCTGTGATCATTGCAACGCCATGTGTGGAAC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001190238
- Insert Size:** 1662 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\\_001190238.1](#), [NP\\_001177167.1](#)

**RefSeq Size:** 2573 bp

**RefSeq ORF:** 1662 bp

**Locus ID:** 25524

**Cytogenetics:** 20q11

**Gene Summary:** may play a role in glycolipid transport during spermatogenesis [RGD, Feb 2006]  
Transcript Variant: This variant (4) lacks an exon in the coding region and uses an alternate in-frame splice site, compared to variant 2, resulting in a shorter protein (isoform D), compared to isoform B.