

Product datasheet for **RN208641**

Psap (NM_013013) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psap (NM_013013) 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: >RN208641 representing NM_013013
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTATGCTCTCGCTCTCCTCGCCAGCCTTCTGGTCACCCTCTGACCAGCCCTGTCCAGGACCCGAAGA
 TCTGCTCTGGGGCTCAGCAGTAGTGTGCAGAGATGTGAAGACGGCGGTGGACTGTAGGGCTGTGAAGCA
 CTGCCAGCAGATGGTCTGGAGCAAGCCACAGCAAAATCCCTTCTTGTGACATATGCAAAAACGGTTGTC
 ACCGAAGCTGGAACTTCTGCTGAAAGATAATGCTACTGAGGAGGAGATCCTCCATTACCTGGAGAAGACCT
 GTGCGTGGATTATGACTCCAGCCTGTGAGCCTTGTGCAAGGAGGTGGTTGACTCTTACCTGCCTGTCAT
 CCTGGACATGATTAAGGGGGAGATGAGCAACCCCGGGGAAGTGTGCTCTGCGCTCAACCTCTGCCAGTCC
 CTTCAGGAGTACTTGGCCGAGCAAAACCAGAGACAGCTGGAGTCCAACAAGATCCCGGAGGTGGACCTGG
 CCCGCGTGGTTGCCCTTTCATGTCCAACATCCCTCTCCTGCTGTACCCTCAGGATCGGCCTCGCAGCCA
 GCCGACGCCAAGGCTAACGAGGACGTCTGCCAGGACTGTATGAAGTTGGTACTGACATCCAGACTGCT
 GTGAGGACCAACTCCAGCTTTGTCCAGGGCTTGGTGGACCACGTC AAGGAGGATTGTGACCGCTCGGGC
 CAGGCGTGTCTGACATATGCAAGA AACTATGTTGACCAGTATTCTGAGGTGCGCGTCCAGATGATGATGCA
 CATGCAACCCAAGGAAATCTGTGTGATGGTTGGCTTCTGTGATGAGGTCAAGAGAGTGCCAAATGAGGACT
 CTGGTCCCCGCCACTGAGGCCATCAAGAATATCCTCCCTGCCCTGGAGCTGACGGACCCCTATGAGCAGG
 ATGTGATCCAGGCCAAAATGTGATTTTCTGCCAAGTTTGTGACGCTTGTGATGCGCAAGTTGTCTGAACT
 GATTATCAACAATGCCACTGAGGA AACTTCTAATTAAGGTTTGTGAGTAAAGCCTGCTCCCTGCTCCCTGCT
 CCTGCTTCAACCAAGTGCCAGGAAGTGTGGTAACATTTGGCCCTCTCTGTTGGACGTCCTCATGCATG
 AGGTGAACCCGAACTTTCTGTGCGGTGTGATCAGCCTCTGTTCTGCCAACCCGAATTTGGTGGAGCCCT
 TGAACAACCTGCAGCAGCCATTGTATCTGCACTGCCCAAAGAGCCTGCACCGCCAAAACAGCCTGAAGAG
 CCCAAGCAGTCTGCATTGCGCGCCCATGTGCCTCCTCAGAAGAACGGGGGTTCTGTGAGGTGTGCAAGA
 AGCTGGTCATCTATTTGGAACATAACCTGGAGAAAAACAGCACCAAGGAGGAGATCCTGGCTGCACTTGA
 GAAGGGCTGCAGCTTCTGCCAGACCCTTACCAGAAGCAGTGTGATGAATTTGTGGCTGAGTATGAGCCC
 TTA CTGCTGAAATCCTTGTGGAGGTGATGGATCCTTCTTTGTGTGCTCGAAAATTGGAGTCTGCCCTT
 CTGCCTATAAGCTGCTGCTGGGAACCGAGAAGTGTGTCTGGGGCCAGGCTACTGGTGTGCAACATGGA
 GACTGTGCCCGATGCAATGCTGTGCATCATTGCAAACGCCATGTGTGGA**ACTAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_013013
- Insert Size:** 1665 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_013013.2](#), [NP_037145.2](#)

RefSeq Size: 2576 bp

RefSeq ORF: 1665 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 (1) lacks an exon in the coding region, compared to variant 2, resulting in a shorter protein (isoform A), compared to isoform B.