

## Product datasheet for SC108170

### PSG9 (NM\_002784) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PSG9 (NM_002784) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSG9
Synonyms:	PS34; PSBG-9; PSBG-11; PSG11; PSGII
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108170 sequence for NM_002784 edited (data generated by NextGen Sequencing)

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ATGGGGCCCTCCAGCCCTTCTGCACACAGCGCATCACCTGGAAGGGGCTCCTGCTC
ACAGCATCACTTTTAAACTTCTGGAACCCGCCCACTGCCGAAGTCACGATTGAAGCC
CAGCCACCCAAAGTTTCTGAGGGGAAGGATGTTCTTCTACTTGTCCACAATTTGCCCCAG
AATCTTCTGGCTACTTCTGGTACAAAGGGGAAATGACGGACCTTACCATTACATTATA
TCGTATATAGTTGATGGTAAAATAATTATATATGGGCCTGCATACAGTGAAGAGAAACA
GTATATCCAACGCATCCCTGCTGATCCAGAATGTCACCCGGAAGGATGCAGGAACCTAC
ACCTTACACATCATAAAGCGAGGTGATGAGACTAGAGAAGAAATTCGACATTTACCTTC
ACCTTATACTGGAGACTCCCAAGCCCTACATCTCCAGCAGCAACTTAAACCCAGGGAG
GCCATGGAGGCTGTGCGCTTAATCTGTGATCCTGAGACTCTGGACGCAAGCTACCTATGG
TGGATGAATGGTCAGAGCCTCCCTGTGACTCACAGTTGCAGCTGTCCAAAACCAACAGG
ACCTCTATCTATTTGGTGTACAAAAGTATATTGCAGGACCTATGAATGTGAAATACGG
AACCCAGTGAGTGCCAGTCGCAGTGACCCAGTCACCTGAATCTCCTCCCGAAGCTGCC
ATCCCCTACATCACCATCAACAACCTTAAACCCAGGGAGAATAAGGATGTCTTAGCCTTC
ACCTGTGAACCTAAGAGTGAGAACTACACCTACATTTGGTGGCTAAACGGTCAGAGCCTC
CCCGTCAGTCCCGGGTAAAGCGACCCATTGAAAACAGGATACTATTCTACCCAGTGTG
ACGAGAAAATGAAACAGGACCCTATCAATGTGAAATACGGGACCGATATGGTGGCCTCCG
AGTAACCCAGTCATCCTAAATGTCTCTATGGTCCAGACCTCCCAAGATTTACCTTCA
TTCACCTATTACGTTTCAGGAGAAAACCTCGACTTGTCTGCTTACCGGAATCTAACCCA
CCGGCAGAGTATTTTTGGACAATTAATGGGAAGTTTCAGCAATCAGGACAAAAGCTCTTT
ATCCCCAAATTAAGAAATCATAGCAGGCTCTATGCTTGTCTGTTCATAACTCAGCC
ACTGGCAAGGAAATCTCCAAATCCATGACAGTCAAAGTCTCTGGTCCCTGCCATGGAGAC
CTGACAGAGTCTCAGTCATGA

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Clone variation with respect to NM\_002784.3  
1168 g=>a



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_002784 unedited NGTCCAAAATTTGTAATACGAACACTACTATAGGGCGGCCGCAATTCGCACCAGGCACAG CTGACAGCCGTGCTCAGACAGCTTCTGGATCCTAGGCTCATCTCCACAGAGGAGAACACG CAGGCAGCAGAGACCATGGGGCCCTCCCAGCCCTTCTGCACACAGCGCATCACCTGG AAGGGGCTCCTGCTCACAGCATCACTTTAAACTTCTGGAACCCGCCACCACTGCCGAA GTCACGATTGAAGCCCAGCCACCCAAAGTTTCTGAGGGGAAGGATGTTCTTCTACTTGTC CACAATTTGCCCCAGAATCTTCTGGCTACTTCTGGTACAAAGGGGAAATGACGGACCTC TACCATTACATTATATCGTATATAGTTGATGGTAAAATAATTATATATGGCCTGCATAC AGTGGAAGAGAAACAGTATATTCCAACGCATCCCTGCTGATCCAGAATGTCACCCGGAAG GATGCAGGAACCTACACCTTACACATCATAAAGCGAGGTGATGAGACTAGAGAAGAAATT CGACATTTACCTTACCTTATACTTGGAGACTCCCAAGCCCTACATCTCCAGCAGCAAC TAAACCCAGGGAGGCCATGGAGGCTGTGCGCTTAATCTGTGATCCTGAGACTCTGGAC GCAAGCTACCTATGGTGGATGAATGGTCAGAGCCTCCCTGTGACTCACAGTTGCAGCTG TCCAAAACCAACAGGACCCTCTATCTATTTGGTGTCAAAAGTATATTGCAGGACCCTAT GAATGTGAAATACGGAACCCAGTGAGTCCAGTGCAGTGACCCAGTACCCTGAATCTN CTNCCGAGCTGCCATCCNCTACATCACCATCAACAACCTAACCCAGNNGAGATAAGGA TGCTAGCCTTCCCTGTGACCTAGAGTGAGACTACACTACATTTGTGGCTAACGTCGAGC CTCCCGTCATN
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_002784
<b>Insert Size:</b>	1600 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_002784.2</a> , <a href="#">NP_002775.2</a>
<b>RefSeq Size:</b>	1731 bp
<b>RefSeq ORF:</b>	1281 bp
<b>Locus ID:</b>	5678
<b>UniProt ID:</b>	<a href="#">Q00887</a>
<b>Cytogenetics:</b>	19q13.31
<b>Domains:</b>	ig, IGc2, IG

**Protein Families:** Secreted Protein

**Gene Summary:** The protein encoded by this gene is a member of the pregnancy-specific glycoprotein (PSG) family. This protein family and the closely related carcinoembryonic antigen cell adhesion molecule (CEACAM) gene family are both members of the immunoglobulin superfamily, and are organized as a large gene cluster. This protein is thought to inhibit platelet-fibrinogen interactions. Several studies suggest that reduced serum concentrations of PSGs are associated with fetal growth restrictions, while up-regulation of this gene has been observed in colorectal cancers. Several pseudogenes of this gene are found on chromosome 19. Alternative splicing results in multiple transcript variants that encode multiple protein isoforms. [provided by RefSeq, Sep 2014]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).