

## Product datasheet for **SC320962**

### 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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_002784.2  
 AGAAGGAGGAAGGACAGCACAGCTGACAGCCGTGCTCAGACAGCTTCTGGATCCCAGGCT  
 CATCTCCACAGAGGAGAACACACAGGCAGCAGAGACCATGGGGCCCCTCCCAGCCCCTTC  
 CTGCACACAGCGCATCACCTGGAAGGGGCTCCTGCTCACAGCATCACTTTTAACTTCTG  
 GAACCCGCCACCCTGCCGAAGTACGATTGAAGCCAGCCACCCAAAGTTTCTGAGGG  
 GAAGGATGTTCTTCTACTTGTCCACAATTGCCCCAGAATCTTCTGGCTACTTCTGGTA  
 CAAAGGGGAAATGACGGACCTCTACCATTATATCGTATATAGTTGATGGTAAAT  
 AATTATATATGGCCTGCATACAGTGGAAGAGAAACAGTATATTCCAACGCATCCCTGCT  
 GATCCAGAATGTACCCGGAAGGATGCAGGAACCTACACCTTACACATCATAAAGCGAGG  
 TGATGAGACTAGAGAAGAAATTCGACATTTACCTTACCTTATACTTGGAGACTCCCAA  
 GCCCTACATCTCCAGCAGCAACTTAAACCCAGGGAGGCCATGGAGGCTGTGCGTTAAT  
 CTGTGATCCTGAGACTCTGGACGCAAGCTACCTATGGTGGATGAATGGTCAGAGCCTCCC  
 TGTGACTCACAGTTGCAGCTGTCCAAAACCAACAGGACCCTCTATCTTTGGTGTAC  
 AAAGTATATTGCAGGACCCTATGAATGTGAAATACGGAACCCAGTGAGTGCCAGTCGCAG  
 TGACCCAGTCACCCTGAATCTCCTCCCGAAGCTGCCATCCCCTACATCACCATCAACAA  
 CTTAAACCCAGGAGAAATAAGGATGTCTTAGCCTTACCTGTGAACCTAAGAGTGAGAA  
 CTACACCTACATTTGGTGGCTAAACGGTCAGAGCCTCCCCGTGAGTCCCGGGGTAAGCGG  
 ACCCATTGAAAACAGGATACTCATTCTACCCAGTGTACAGAGAAATGAAACAGGACCCTA  
 TCAATGTGAAATACAGGACCGATATGGTGGCCTCCGCAGTAACCCAGTCATCCTAAATGT  
 CCTCTATGGTCCAGACCTCCCCAGAATTTACCCTTCACTCACCTATTACCGTTCCAGGAGA  
 AAACCTCGACTTGTCTGCTTACGGAATCTAACCCACCGGCAGAGTATTTTTGGACAAT  
 TAATGGGAAGTTTCAGCAATCAGGACAAAAGCTTTTATCCCCAAATTAAGTAAATCA  
 TAGCGGGCTCTATGCTTGTCTGTTTCACTCACTCAGCCACTGGCAAGGAAATCTCCAAATC  
 CATGACAGTCAAAGTCTCTGGTCCCTGCCATGGAGACCTGACAGAGTCTCAGTCATGACT  
 GCAACAACTGAGACACTGAGAAAAAAGAACAAGGCTGATACCTTCATGAAATTCAAGACAAA  
 GAAGAAAAAACTCAATGTTATTGGACTAAATAATCAAAAGGATAATGTTTTTATAATTT  
 TTTATTGGAAAATGTGCTGATTCTTTGAATGTTTTATTCTCCAGATTTATGAACTTTTTT  
 TCTTCAGCAATTGGTAAAGTATACTTTTATAAACAAAAATGAAATATTTGCTTTTGTCT  
 TCTATCTGAATGCCCCAGAATTGTGAAACTATTCATGAGTATTCATAGGTTTATGGTAAT  
 AAAGTTATTTGCACATGTTCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_002784

**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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_002784.2](#), [NP\\_002775.2](#)

**RefSeq Size:** 1731 bp

**RefSeq ORF:** 1281 bp

**Locus ID:** 5678

**UniProt ID:** [Q00887](#)

**Cytogenetics:** 19q13.31

**Domains:** 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).