

Product datasheet for **SC334741**

PSG9 (NM_001301709) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | PSG9 (NM_001301709) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | PSG9 |
| Synonyms: | PS34; PSBG-9; PSBG-11; PSG11; PSGII |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_001301709, the custom clone sequence may differ by one or more nucleotides |

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ATGGGGCCCTCCAGCCCTTCTGCACACAGCGCATCACCTGGAAGGGGCTCCTGCTCACAGCATCAC
TTTTAACTTCTGGAACCCGCCACCACTGCCGAAGTCACGATTGAAGCCAGCCACCCAAAGTTTCTGA
GGGGAAGGATGTTCTTCTACTTGTCCACAATTTGCCCCAGAATCTTCTGGCTACTTCTGGTACAAAGG
GAAATGACGGACCTTACCATTACATTATATCGTATATAGTTGATGGTAAATAATTATATATATGGCCTG
CATACAGTGAAGAGAAACAGTATATCCAACGCATCCCTGCTGATCCAGAATGCACCCGAAGGATGC
AGGAACCTACACCTTACACATCATAAAGCGAGGTGATGAGACTAGAGAAGAAATTCGACATTTACCTTC
ACCTTATACTATGGTCCAGACCTCCCCAGAATTTACCCTTCATTACCTATTACCGTTCAGGAGAAAACC
TCGACTTGTCTGCTTACGGAATCTAACCACCGGCAGAGATTTTTGGACAATTAATGGGAAGTTTCA
GCAATCAGGACAAAAGCTCTTTATCCCCAAATTAAGTAAATCATAGCGGGCTCTATGCTTGTCTGTT
CATAACTCAGCCACTGGCAAGGAAATCTCCAAATCCATGACAGTCAAAGTCTCTGGTCCCTGCCATGGAG
ACCTGACAGAGTCTCAGTCATGA
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| Restriction Sites: | Sgfl-MluI |
| ACCN: | NM_001301709 |
| 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). |



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| 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: | <ol style="list-style-type: none">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: | <u>NM_001301709.1, NP_001288638.1</u> |
| RefSeq Size: | 1209 bp |
| RefSeq ORF: | 723 bp |
| Locus ID: | 5678 |
| UniProt ID: | <u>Q00887</u> |
| Cytogenetics: | 19q13.31 |
| Protein Families: | Secreted Protein |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (4) lacks two consecutive, alternate in-frame exons in the coding region, compared to variant 1. It encodes isoform 4 which is shorter than isoform 1.</p> |