

Product datasheet for **SC333259**

PSG4 (NM_001276495) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PSG4 (NM_001276495) Human Untagged Clone
Tag: Tag Free
Symbol: PSG4
Synonyms: PSBG-4; PSBG-9; PSG9
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC333259 representing NM_001276495.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGGGCCCTCTCAGCCCTCCCTGCACACAGCGCATCACCTGGAAGGGGGTCTGCTCACAGCATCA  
CTTTTAACTTCTGGAATCCGCCACAACCTGCCAAGTCACGATTGAAGCCAGCCACCCAAAGTTTCT  
GAGGGGAAGGATGTTCTTCTACTTGTCCACAATTTGCCCCAGAATCTTGTGGCTACATTTGGTACAAA  
GGGCAATGACATACCTTACCATTACATTACATCATATGTAGTAGACGGTCAAAGAATTATATATGGG  
CCTGCATACAGTGAAGAGAAAGAGTATATTCCAATGCATCCCTGCTGATCCAGAATGTCACGCAGGAG  
GATGCAGGATCCTACACCTTACACATCATAAAGCGACGCGATGGGACTGGAGGAGTAACTGGACATTC  
ACCTTCACCTTACACCCAAAGCTGTCCAAGCCCTACATCAACAATCAACAACCTAAACCCAGAGAGAAT  
AAGGATGTCTTAACTTACCTGTGAACCTAAGAGTAAGAACTACACCTACATTTGGTGGCTAAATGGT  
CAGAGCCTCCCTGTCAGTCCCAGGGTAAAGCGACCCATTGAAAACAGGATCCTCATTCTACCCAATGTC  
ACGAGAAATGAAACAGGACCTTATCAATGTGAAATACGGGACCGATATGGTGGCATCCGCAGTGACCCA  
GTCACCTGAATGTCCTCTATGGTCCAGACCTCCCAGCATTTACCCTTCATTACCTATTACCGTTCA  
GGAGAAAACCTCTACTTGTCTGCTTCGCCGAGTCTAACCACGGGCACAATATTCTTGGACAATTAAT  
GGGAAGTTTCAGCTATCAGGACAAAAGCTCTCTATCCCCAAATAACTACAAAGCATAGTGGGCTCTAT  
GCTTGCTCTGTTGTAACACTCAGCCACTGGCAAGGAAAGCTCCAAATCCATCACAGTCAAAGTCTCTGAC  
TGGATATTACCTGA
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Restriction Sites: Sgfl-Mlul
ACCN: NM_001276495
Insert Size: 981 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_001276495.1](#)

RefSeq Size: 1916 bp

RefSeq ORF: 981 bp

Locus ID: 5672

Cytogenetics: 19q13.31

Protein Families: Secreted Protein

MW: 36.8 kDa

Gene Summary: The protein encoded by this gene is a pregnancy-specific glycoprotein (PSG), one of several encoded by a cluster of similar genes on chromosome 19. This gene is a member of the carcinoembryonic antigen (CEA) gene family and may play a role in regulation of the innate immune system. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015]

Transcript Variant: This variant (3) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (3) has the same N- and C-termini but is shorter compared to isoform 1.

Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.