

## Product datasheet for **SC324536**

### PSG6 (NM\_001031850) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PSG6 (NM_001031850) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSG6
Synonyms:	PSBG-6; PSBG-10; PSBG-12; PSG10; PSGGB
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\_001031850.1  
 ACAGAAGGAGGAAGGACAGCACACCTGACAGCCCTGCTCAGGAAGTCTCTGGATCCTAGG  
 CTCATCTCCACAGGGGAGAACACACAGACAGCAGAGACCATGGGACCCCTCTCAGCCCCT  
 CCCTGCACTCAGCACATCACCTGGAAGGGGCTCCTGCTCACAGCATCACTTTAAACTTC  
 TGGAACTGCCACCCTGCCCCAAGTAATAATTGAAGCCAAGCCACCCAAAGTTCCGAG  
 GGAAGGATGTTCTTCTACTTGTCCACAATTTGCCCAAGATCTTACTGGCTACATCTGG  
 TACAAAGGGCAAATGACGGACCTTACCATTACATTACATCATATGTAGTACACGGTCAA  
 ATTATATATGGGCCTGCCTACAGTGGACGAGAAACAGTATATTCCAATGCATCCCTGCTG  
 ATCCAGAATGTCACACAGGAGGATGCAGGATCCTACACCTTACACATCATAAAGCGAGGC  
 GATGGGACTGGAGGAGTAAGTGGATATTTCACTGTACCTTATACTCGGAGACTCCCAAG  
 CCCTCCATCTCCAGCAGCAACTTAAACCCAGGGAGGTCATGGAGGCTGTGCGCTTAATC  
 TGTGATCCTGAGACTCCGGATGCAAGCTACCTGTGTTGCTGAATGGTCAGAACCCTCT  
 ATGACTCACAGGTTGCAGCTGTCCAAAACCAACAGGACCTCTATCTATTTGGTGCACA  
 AAGTATATTGCAGGACCCTATGAATGTGAAATACGGAACCCAGTGAAGTCCAGCCGAGT  
 GACCCAGTCACCCTGAATCTCCTCCCGAAGCTGCCCATGCCTTACATCACCATCAACAAC  
 TTAACCCAGGGAGAAGAAGGATGTGTTAGCCTTACCTGTGAACCTAAGAGTCGGAAC  
 TACACCTACATTTGGTGGCTAAATGGTCAGAGCCTCCCGTCAAGTCCGAGGGTAAAGCGA  
 CCCATTGAAAACAGGATACTCATTCTACCCAGTGTACAGGAAATGAAACAGGACCTAT  
 CAATGTGAAATACGGGACCGATATGGTGGCATCCGCAAGTAAACCCAGTACCCTGAATGTC  
 CTCTATGGTCCAGACCTCCCAAGATTTACCCTTCACTTACCTATTACCGTTCCAGGAGAA  
 AACCTCGACTTGTCTGCTTTGCCGACTTAACCCACCGGCAGAGTATTCTTGGACAATT  
 AATGGGAAGTTTCAGCTATCAGGACAAAAGCTCTTTATCCCCAAATTAATAAAATCAT  
 AGCGGGCTCTATGCTTGTCTGTTGTAACCTCAGCCACTGGCAAGGAAATCTCCAATCC  
 ATGATAGTCAAAGTCTCTGGTCCCTGCCATGGAACACAGACAGAGTCTCATTAAATGGCTG  
 CCACAATAGAGACTGAGAAAAAGAACAGGTTGATACCTTCATGAAATCAAGACAAAG  
 AAGAAAAAACTCAATGTTATTGGACTAAATAATAAAAAGGATAATGTTTTATAATTTT  
 TTATTGAAAAATGTGCTGATTCTTGAATGTTTTATTCTCAGATTTATGAACTTTTTTT  
 CTTTCAGCAATTGGTAAAGTATACTTTTGTAAACAAAATTGAAACATTTGCTTTTGTCT  
 CTATCTGAGTGCCCCAGAATTGGGAAACTATTCATGAGTATTTCATAGGTTTATGGTAATA  
 AAGTTATTTGCACAAGTTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM\_001031850
- 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\\_001031850.1](#), [NP\\_001027020.1](#)

**RefSeq Size:** 1729 bp

**RefSeq ORF:** 1275 bp

**Locus ID:** 5675

**UniProt ID:** [Q00889](#)

**Cytogenetics:** 19q13.31

**Protein Families:** Secreted Protein

**Gene Summary:** This gene is a member of the pregnancy-specific glycoprotein (PSG) gene family. The PSG genes are a subgroup of the carcinoembryonic antigen (CEA) family of immunoglobulin-like genes, and are found in a gene cluster at 19q13.1-q13.2 telomeric to another cluster of CEA-related genes. The PSG genes are expressed by placental trophoblasts and released into the maternal circulation during pregnancy, and are thought to be essential for maintenance of normal pregnancy. The protein encoded by this gene contains the Arg-Gly-Asp tripeptide associated with cellular adhesion and recognition. Alternative splicing results in multiple transcript variants and protein isoforms. [provided by RefSeq, Jul 2012]  
Transcript Variant: This variant (2) contains an alternate 3' terminal exon, compared to variant 1. The resulting protein (isoform 2) is shorter and has a distinct C-terminus, compared to isoform 1.