

## Product datasheet for **SC324603**

### PSG5 (NM\_002781) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PSG5 (NM_002781) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSG5
Synonyms:	FL-NCA-3; PSG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >OriGene sequence for NM\_002781.2  
 GGGGAAGGAGGAAGGACAGCACAGCCTACAGCCGTGCTCAGGAAGTTTCTGGATCCTAGG  
 CTCAGTCCACAGAGGAGAACACGCAGGCGCAGAGACCATGGGGCCCCTCTCAGCCCCTC  
 CCTGCACACAGCACATCACCTGGAAGGGGGTCTGCTCACAGCATCACTTTTAACTTCT  
 GGAACCTGCCTATCACTGCTCAAGTCACGATTGAAGCCCTGCCACCCAAAGTTTCCGAGG  
 GGAAGGATGTTCTTCTACTTGTCCACAATTTGCCTCAGAATCTTGCTGGCTACATCTGGT  
 ACAAAGGACAACCTGATGGACCTTACCATTACATTACATCATATGTAGTAGACGGTCAAA  
 TAAATATATATGGGCCTGCATACACTGGACGAGAAACAGTATATTCCAATGCATCCCTGC  
 TGATCCAGAATGTCACCCGGGAAGACGCAGGATCCTATACCTTACACATCATAAAGCGAG  
 GTGATAGGACTAGAGGAGTAACTGGATATTTACCTTCAACTTATACCTGAAGCTGCCCA  
 AGCCCTACATCACCATCAACAACTCAAAACCCAGGGAGAATAAGGATGTCTTAGCCTTCA  
 CCTGTGAACCTAAGAGTGAGAACTACACCTACATTTGGTGGCTAAATGGTCAGAGCCTCC  
 CGGTCACTCCAGGGTAAAGCAACCCATTGAAAACAGGATCCTCATTCTACCCAGTGCA  
 CGAGAAATGAAACAGGACCTATGAATGTGAAATACGGGACCGAGATGGTGGCATGCACA  
 GTGACCCAGTCACCTGAATGCCTCTATGGTCCAGACCTCCCCAGCATTACCCTTCAT  
 TCACCTATTACCGTTTCAGGAGAAAACCTCTACTTGTCTGCTTCGCGGAATCTAACCCAC  
 CGGCAGAGTATTTTTGGACAATTAATGGGAAGTTTCAGCAATCAGGACAAAAGCTCTCTA  
 TCCCCAAATTACTACAAAGCATAGAGGGCTCTATACTTGTCTGTTCGTAACCTAGCCA  
 CTGGCAAGGAAAGCTCCAATCCATGACAGTCGAAGTCTCTGCTCCTTCAGGAATAGGAC  
 GTCTTCTCTCCTTAATCCAATATAGCAGCCGTGAAGTCATTTCTGTATTTTCAGGAAGAC  
 TGGCAGACAGTTGCTTTGATTCTTCTCAAACCTTACAATCACCTACAGTCCAAAATT  
 GCTTTTTCTTCAAGGAGATTTATGAAAAGACTCTGACAAGGACTCTTGAATACAAGTTC  
 CTGATAACTTCAAGATCATACCCTGGACTAAGAATTTCAAAAATTTAATGAACAGGCT  
 GATACCTTCATGAAATCTAGACAAGAAAGAAAAAACTCCATGTTATTGGACTAAATAA  
 TCAAAAAGCATAATGTTTTATAATTTTCTATTTGAAAATGTGCTGATTCTTTGAATGTTT  
 TATTCTCCAGATTTATGAACTTTTTTCTTGTAGCAATTGGTAAAGTATACTTTTGTAAAC  
 AAAAATTGAAACATTTGCTTTTACTCTCTATCTGAGTGCCCCAGAATTGGGAAACTATTC  
 ATGAGTATTCATATGTTTATGGTAATAAAGTTATCTGCACAAGTCAAAAAAAAAAAAAA  
 AAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM\_002781
- 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\\_002781.2](#), [NP\\_002772.2](#)

**RefSeq Size:** 1636 bp

**RefSeq ORF:** 1008 bp

**Locus ID:** 5673

**UniProt ID:** [Q15238](#)

**Cytogenetics:** 19q13.31

**Domains:** ig, IGc2, IG

**Protein Families:** Secreted Protein

**Gene Summary:** The human pregnancy-specific glycoproteins (PSGs) are a group of molecules that are mainly produced by the placental syncytiotrophoblasts during pregnancy. PSGs comprise a subgroup of the carcinoembryonic antigen (CEA) family, which belongs to the immunoglobulin superfamily. For additional general information about the PSG gene family, see PSG1 (MIM 176390).[supplied by OMIM, Oct 2009]

Transcript Variant: This variant (1) is the longer transcript. Both variants 1 and 2 encode the same protein.