

Product datasheet for **SC320969**

Pregnancy Specific Glycoprotein 1 (PSG1) (NM_006905) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pregnancy Specific Glycoprotein 1 (PSG1) (NM_006905) Human Untagged Clone
Tag:	Tag Free
Symbol:	Pregnancy Specific Glycoprotein 1
Synonyms:	B1G1; CD66f; DHFRP2; FL-NCA-1/2; PBG1; PS-beta-C/D; PS-beta-G-1; PSBG-1; PSBG1; PSG95; PSGGA; PSGIIA; SP1
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_006905.2
 GAGCTTGAGAATTGCTCCTGCCCTGGGAAGAGGCTCAGCACAGAAAGAGGAAGGACAGCA
 CAGCTGACAGCCGTGCTCAGAGAGTTTCTGGATCCTAGGCTTATCTCCACAGAGGAGAAC
 ACACAAGCAGCAGAGACCATGGGAACCCCTCAGCCCCCTCCCTGCACACAGCGCATCAA
 TGGAAAGGGGCTCCTGCTCACAGCATCACTTTTAAACTTCTGGAACCTGCCACCCTGCC
 CAAGTCACGATTGAAGCCGAGCCAACCAAAGTTTCCGAGGGGAAGGATGTTCTTCTACTT
 GTCCACAATTTGCCCCAGAATCTTACCGGCTACATCTGGTACAAAGGGCAAATGAGGGAC
 CTCTACCATTACATTACATCATATGTAGTAGACGGTGAATAAATTATATATGGGCCCTGCA
 TATAGTGGACGAGAAACAGCATATTCCAATGCATCCCTGCTGATCCAGAATGTCACCCGG
 GAGGACGCAGGATCCTACACCTTACACATCATAAAGGGAGATGATGGGACTAGAGGAGTA
 ACTGGACGTTTCACCTTACCTTACACCTGGAGACTCCTAAGCCCTCCATCTCCAGCAGC
 AACTTAAATCCCAGGGAGACCATGGAGGCTGTGAGCTTAACTGTGACCCTGAGACTCCA
 GACGCAAGCTACCTGTGGTGGATGAATGGTCAGAGCCTCCCTATGACTCACAGCTTGAAG
 CTGTCCGAAACCAACAGGACCCTCTTTCTATTGGGTGTCACAAAGTATACTGCAGGACCC
 TATGAATGTGAAATACGGAACCCAGTGAGTGCCAGCCGAGTGACCCAGTCACCCTGAAT
 CTCTCCCGAAGCTGCCAAGCCCTACATCACCATCAACAACCTTAAACCCAGGGAGAAT
 AAGGATGTCTTAAACTTACCTGTGAACCTAAGAGTGAGAACTACACCTACATTTGGTGG
 CTAATAGGTGAGGCTCCCGGTGAGTCCAGGGTAAAGCGACCCATTGAAAACAGGATC
 CTCATTACCCAGTGTACAGAGAAATGAAACAGGACCCTATCAATGTGAAATACGGGAC
 CGATATGGTGGCATCCGAGTGACCCAGTCACCCTGAATGTCTCTATGGTCCAGACCTC
 CCCAGAATTTACCTTACCTATTACCTATTACCGTTACAGGAGAAGTCCTCTACTTGTCTGT
 TCTGCGGACTCTAACCCACCGGCACAGTATTCTGGACAATTAATGAAAAGTTTCAGCTA
 CCAGGACAAAAGCTCTTTATCCGCCATATTACTACAAAGCATAGCGGGCTCTATGTTTGC
 TCTGTTTCGTAACCTCAGCCACTGGCAAGGAAAGCTCCAAATCCATGACAGTCGAAGTCTCT
 GGTAAAGTGGATCCAGCATCGTTGGCAATAGGGTTTTAGGTGGAGTCTATCTGGCATTCA
 GAGAAGAGTCAGGAAAACAATTGTATTCCAGCCTGTGTCCATGGGCACAAGCAAATCC
 CAAATTCTCTCTGAACCCTCCAAATTTGTCTAAGAACTTCGAAAACCTTAAACAAACAG
 GCTGATATCTTCATAATATTCCAGCCTAGACCAAGCAGGAAGAACATTGATTTTCATTGA
 AATAATTGATAAATGAAGATAATGTTTTATGATTTTTATTTGAAAATTTGCTGATTC
 TTTAAATGGTTTTGTTTTCTACATTGATGGAATTTTTCTCTTTTAACTATCTACAGCTTA
 TAGCAGTTCAATAAACTATACTTCTGGGAACCGTAATTGAAACATTTACTTTTGCTTTCT
 ACCTGACTGCCCAAGAAATGGGCAACTATTCATGAGAATTGATATGTTTTATGGTAATACA
 CATATTTGCACAAGTACAGTAACAATCTGCTTTCTTTGTAACATGACACATTTGAAATCA
 TTGGTTATATTACCAATGCTTTGATTCCGATGTTATATTAACAAACATAGATAGAATGAAC
 CAATATGAACTGCAGGCAAAGTCTGAAGTCAGCCTTGGTTGGCTTCTATTCTCAAGAG
 GTTTGTGAAGATTTAATCTCAGATTCTTATAAAAACTTAGAGAAAAGAAAATTTTAGAA
 GACAGCCTACATGGTCCATTGCTACTCTTGCTGCACTTATGTAACAATCAGACCACATT
 TGAAGAACTCCACCTATTTTGCAAAACAACTTATTCTACTGAAATTATCATTGGTAAAA
 GTAGAGATGCCCATAGAGGGAAAAATTTATGTGGAAAATAAAAACTGTAGTATACCTAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_006905

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:	<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:	NM_006905.2 , NP_008836.2
RefSeq Size:	2306 bp
RefSeq ORF:	1281 bp
Locus ID:	5669
UniProt ID:	P11464
Cytogenetics:	19q13.2
Domains:	ig, IGc2, IG
Protein Families:	Secreted Protein
Gene Summary:	<p>The human placenta is a multihormonal endocrine organ that produces hormones, enzymes, and other molecules that support fetal survival and development. Pregnancy-specific beta-1-glycoprotein (PSBG, PSG) is a major product of the syncytiotrophoblast, reaching concentrations of 100 to 290 mg/l at term in the serum of pregnant women (Horne et al., 1976 [PubMed 971765]). PSG is a member of the immunoglobulin (Ig) superfamily (Watanabe and Chou, 1988 [PubMed 3257488]; Streydio et al., 1988 [PubMed 3260773]).[supplied by OMIM, Oct 2009]</p> <p>Transcript Variant: This variant (1) uses alternate splice sites in the 3' terminal exon, compared to variant 4. It encodes isoform 1, which has a shorter and distinct C-terminus, compared to isoform 4. 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.</p>