

Product datasheet for **SC115773**

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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_006905 edited
GAATTCGGCAGGAGGGAAGGACAGCACAGCTGACAGTCGTGCTCAGAGAGTTTCTGGA
TCCTCGGCTTATCTCCACAGAGGAGAACACACAAGCAGCAGAGACCATGGGAACCTCTC
AGCCCCCTCCCTGCACACAGCGCATCAAATGGAAGGGGCTACTGCTCACAGCATCACTTTT
AAACTTCTGGAACCTGCCACCCTGCCCCAAGTACGATTGAAGCCCAGCCACCCAAAGT
TTCCGAGGGGAAGGATGTTCTTCTACTTGTCCACAATTTGCCCCAGAATCTTACCGGCTA
CATCTGGTACAAAGGGCAAATGAGGGACCTCTACCATTACATTACATCATATGTAGTAGA
CGGTGAAATAATTATATATGGGCCTGCATATAGTGGACGAGAAACAGCATATTCCAATGC
ATCCCTGCTGATCCAGAATGTCACCCGGGAGGACGCAGGATCCTACACCTTACACATCAT
AAAGGGAGATGATGGGACTAGAGGAGTAACTGGACGTTTACCTTACCTTACACCTGGA
GACTCCTAAGCCCTCCATCTCCAGCAGCAACTTAAATCCCAGGGAGACCATGGAGGCTGT
GAGCTTAACCTGTGACCCTGAGACTCCAGACGCAAGCTACCTGTGGTGGATGAATGGTCA
GAGCCTCCCTATGACTCACAGCTTGAAGCTGTCCGAAACCAACAGGACCCTTTTCTATT
GGGTGTCACAAAGTATACTGCAGGACCCTATGAATGTGAAATACGGAACCCAGTGAAGTGC
CAGCCGAGTGACCCAGTCAACCCTGAATCTCCTCCGAAAGCTGCCAAGCCCTACATCAC
CATCAACAACCTTAAACCCAGGGAGAATAAGGATGTCTTAAACTTACCTGTGAACCTAA
GAGTGAGAACTACACCTACATTTGGTGGCTAAATGGTCAGAGCCTCCCGTCAAGTCCCAG
GGTAAAGCGACCCATTGAAAACAGGATCCTCATTCTACCCAGTGTACAGAAAATGAAAAC
AGGACCCTATCAATGTGAAATACGGGACCGATATGGTGGCGTCCGAGTGACCCAGTGCAC
CCTGAATGTCCTATGGTCCAGACCTCCCCAGAATTTACCTTCACTTACCTATTACCG
TTCAGGAGAAGTCTCTACTTGTCTGTCTGCGGACTTAACCCACCGGCACAGTATTC
TACAAAGCATAGCGGGCTCTATGTTTGTCTGTTCGTAACCTCAGCCACTGGCAAGGAAAG
CTCCAAATCCATGACAGTCAAGTCTCTGACTGGACATTACCCTGAATTCTACTAGTACC
TCCAATTCATTTTCTCCCATGGAATCACTAAGAGCAAGACCCACTCTGTTCCAGAAGCC
CTATAAGCTGGAGGTGGACAACCTCAATGTAAATTTTATGGGAAAACCTTGTACCTGAAG
CATGAGCCACTCAGAACTCACAAAATATTCGACACCATAACAACAGATGCTCAAACCTGT
AAACCAGGACAACAAGTGGATGACTTCACACTGTGGACAGTTTTTCCCAAGATGTCAGAA
CAAGACTCCCCATCATGATGAGGCTCTCCCCCTTTAACTGTCCTTGCTCATGCCTGCC
TCTTTCACTTGGCAGGATAATGCAGTCAATTAGAATTTACATGTAGTAGCTTCTGAGAGT
AACACAGAGTGTGAGATATGTCATCTCAACCTCAAACCTTTTACATAACATCTCAGGGGG
AAATGTGGCTCTCTCCACCTTGATACAGGGCTCCCAATAGAAAATGAACACAGAGATATT
GCCTGTGTGTTTGCAGAGAAGATGGTTTGTATGAAGACGTAGGAAAGCTGAAATTATAAT
AGAGTCCCCTTTAAATCCACATTGTGTGGATGGCTCTTGCCGTTTCCTAAGAGATACATT
GTAAAACGTGACAGTAAGACATTCTAGCAGAATAAAACATGTACCACCTTTGCTAATAAA
AAAAAAAAAAAAAAAAAACTCGAC

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_006905 unedited NGGTCACAATTGTAACGACTCATATAGGCGGCCGCGAAATTCGCACGAGGAGGAAGGAC AGCACAGCTGACAGTCGTGCTCAGAGAGTTTCTGGATCCTCGGCTTATCTCCACAGAGGA GAACACACAAGCAGCAGAGACCATGGGAACCCTCTCAGCCCTCCCTGCACACAGCGCAT CAAATGGAAGGGGCTACTGCTCAGCATCACTTTTAACTTCTGGAACCTGCCACCAC TGCCCAAGTCACGATTGAAGCCCAGCCACCCAAAGTTCCGAGGGGAAGGATGTTCTTCT ACTTGTCACAATTTGCCCCAGAATCTTACCGGCTACATCTGGTACAAAGGGCAAATGAG GGACCTTACCATTACATTACATCATATGTAGTAGACGGTAAAATAATTATATATGGGCC TGCATATAGTGGACGAGAAACAGCATATCCAATGCATCCTGCTGATCCAGAATGTCAC CCGGGAGGACGCAGGATCCTACACCTTACACATCATAAAGGGAGATGATGGGACTAGAGG AGTAACTGGACGTTTACCTTACCTTACACCTGGAGACTCCTAAGCCCTCCATCTCCAG CAGCAACTTAAATCCCAGGGAGACCATGGAGGCTGTGAGCTTAACCTGTGACCCTGAGAC TCCAGACGCAAGCTACCTGTGGTGGATGAATGGTCAGAGCCTCCCTATGACTCACAGCTT GAAGCTGTCCGAAACCAACAGGACCCTCTNTCTATTGGGTGTACAAAAGTATACTGCANG ACCCTATGAATGTGAAATACGGAACCCAGTGAGTGCCAGCCGAGTGACCCAGTCCCTG AATCTNCTCCCGAGCTGCCAAGCTACTCACCATCAACAACCTTAAACCCAGGAGAATAA GGATGTCTAACTTCACTGTGACCCTAGGTGAGACTAACCT
Restriction Sites:	NotI-NotI
ACCN:	NM_006905
Insert Size:	2200 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:	<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_006905.1 , NP_008836.1
RefSeq Size:	1912 bp
RefSeq ORF:	1254 bp
Locus ID:	5669
UniProt ID:	P11464
Cytogenetics:	19q13.2
Domains:	ig, IGc2, IG
Protein Families:	Secreted Protein

Gene Summary:

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]

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.