

Product datasheet for **SC118409**

PSG6 (NM_002782) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSG6 (NM_002782) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSG6
Synonyms:	PSBG-6; PSBG-10; PSBG-12; PSG10; PSGGB
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_002782, the custom clone sequence may differ by one or more nucleotides

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ATGGGACCCCTCTCAGCCCTCCCTGCACTCAGCACATCACCTGGAAGGGCTCCTGCTCACAGCATCAC
TTTTAACTTCTGGAACCTGCCACCACTGCCAAGTAATAATTGAAGCCAAGCCACCAAGTTCCGA
GGGAAGGATGTTCTTCTACTTGTCCACAATTTGCCCCAGAATCTTACTGGCTACATCTGGTACAAAGG
CAAATGACGGACCTTACCATTACATTACATCATATGTAGTACACGGTCAAATTATATATGGCCTGCCT
ACAGTGGACGAGAAACAGTATATTTCCAATGCATCCCTGCTGATCCAGAATGTCACACAGGAGGATGCAGG
ATCCTACACCTTACACATCATAAAGCGAGGCGATGGGACTGGAGGAGTAAGTGGATTTTACTGTCACC
TTATACTCGGAGACTCCCAAGCCCTCCATCTCCAGCAGCAACTTAAACCCAGGGAGGTCATGGAGGCTG
TGCCTTAATCTGTGATCCTGAGACTCCGGATGCAAGCTACCTGTGGTTGCTGAATGGTCAGAACCCTCC
TATGACTCACAGGTTGCAGCTGTCCAAAACCAACAGGACCTCTATCTATTTGGTGTACAAAGTATATT
GCAGGACCCATGAATGTGAAATACGGAACCCAGTGAGTGCCAGCCGAGTGACCCAGTCACCCTGAATC
TCCTCCCGAAGCTGCCATGCCTTACATCACCATCAACAACCTTAAACCCAGGGAGAAGAAGGATGTGTT
AGCCTTACCTGTGAACCTAAGAGTCGGAACCTACACCTACATTTGGTGGCTAAATGGTCAGAGCCTCCCG
GTCAGTCCGAGGGTAAAGCGACCCATTGAAAACAGGATACTCATTCTACCCAGTGCACGAGAAATGAAA
CAGGACCCATCAATGTGAAATACGGGACCGATATGGTGGCATCCGCAGTAACCCAGTCACCCTGAATGT
CCTCTATGGTCCAGACCTCCCAAGAATTTACCCTTACCTATTACCGTTCCAGGAGAAAACCTCGAC
TTGTCTGCTTTGCGGACTCTAACCACCGGCAGAGTATTCTTGGACAATTAATGGGAAGTTTCAGCTAT
CAGGACAAAAGCTCTTTATCCCCAAATTAACAATAATCATAGCGGGCTCTATGCTTGTCTGTTGCTAA
CTCAGCCACTGGCAAGGAAATCTCCAAATCCATGATAGTCAAAGTCTCTGAGACAGCATCTCCCAAGTT
ACCTATGCTGGTCCAACACCTGGTTTCAAGAAATCCTTCTGCTGTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_002782 unedited GTCAGAAATTTGTNATACGACTCACTATAGGGCGGCCCGGAATTCGCACGATAGCCACC TGACAGCCTGCTCAGGAAGTCTCTGGATCCTAGGCTCATCTCCACAGGGAGAGAACACA CAGACAGCAGAGACCATGGGACCCCTCTCAGCCCTCCCTGCACTCAGCACATCACCTGG AAGGGGCTCCTGCTCACAGCATCACTTTTAACTTCTGGAACCTGCCACCACTGCCCAA GTAATAATTGAAGCCAAGCCACCAAAGTTTCCGAGGGGAAGGATGTTCTTCTACTTGTC CACAATTTGCCCCAGAATCTTACTGGCTACATCTGGTACAAAGGGCAAATGACGGACCTC TACCATTACATTACATCATATGTAGTACACGGTCAAATTATATATGGGCCTGCCTACAGT GGACGAGAAACAGTATATTCCAATGCATCCCTGCTGATCCAGAATGTCACACAGGAGGAT GCAGGATCCTACACCTTACACATCATAAAGCGAGGCGATGGGACTGGAGGAGTAACTGGA TATTTCACTGTCACCTTATACTCGGAGACTCCCAAGCCCTCCATCTCCAGCAGCAACTTA AACCCAGGGAGGTCATGGAGGCTGTGCGCTTAATCTGTGATCCTGAGACTCCGGATGCA AGCTACCTGTGGTTGCTGAATGGTCAGAACCTCCCTATGACTCACAGGTTGCAGCTGTCC AAAACCAACAGGACCTCTNATCTATTTGGTGTACAAAGTATATTGCAGGGACCTATGA ATGTGAATACGGAACCCAGTGAGTGCCAGCCGAGTGACCCAGTACCCTGAATCTNCTC CCCGAGCTGCCATGCCTTACATCACCATCAACAATTANACCCCAAGGAGAGAAGGNAG TGTANCCCTTCACTGTGAAACCTAGAGTCAACTACACCTACATTNGTGCTAATGGTC AAACCTCCCGTCAGTCCGAGGTAAGCGACCCATGAACAGCTACTC
Restriction Sites:	NotI-NotI
ACCN:	NM_002782
Insert Size:	3000 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_002782.3 , NP_002773.1
RefSeq Size:	1478 bp
RefSeq ORF:	1308 bp
Locus ID:	5675
UniProt ID:	Q00889
Cytogenetics:	19q13.31
Domains:	ig, IGc2, IG

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 (1) represents the longer transcript and encodes the longer isoform (1).