

Product datasheet for SC118406

PSG4 (NM_002780) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSG4 (NM_002780) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSG4
Synonyms:	PSBG-4; PSBG-9; PSG9
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118406 sequence for NM_002780 edited (data generated by NextGen Sequencing)

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ATGGGGCCCTCTCAGCCCTCCCTGCACACCTCATCACTTGAAGGGGCTCCTGCTC
ACAGCATCACTTTTAACTTCTGGAATCCGCCCAACTGCCCAAGTCACGATTGAAGCC
CAGCCACCCAAAGTTTCTGAGGGGAAGGATGTTCTTCTACTTGTCCACAATTTGCCCCAG
AATCTTGCTGGCTACATTTGGTACAAAGGGCAAATGACATACCTTACCATTACATTACA
TCATATGTAGTAGACGGTCAAAGAATTATATATGGGCCTGCATACAGTGAAGAGAAAGA
GTATATCCAATGCATCCCTGCTGATCCAGAATGTACGCAGGAGGATGCAGGATCCTAC
ACCTTACACATCATAAAGCGACGCGATGGGACTGGAGGAGTAACGGACATTTACCTTC
ACCTTACACTGGAGACTCCCAAGCCCTCCATCTCCAGCAGCAACTTAAATCCCAGGGAG
GCCATGGAGGCTGTGATCTTAACCTGTGATCCTGCAACTCCAGCCGCAAGCTACCAGTGG
TGGATGAATGGTCAGAGCCTCCCTATGACTCACAGTTGCAGCTGTCCAAAACCAACAGG
ACCTCTTTATATTTGGTGTACAAAAGTATATTGCAGGACCTATGAATGTGAAATACGG
AACCCAGTGAGTGCCAGCCGAGTGACCCAGTCACCCCTGAATCTCCTCCCAAAGCTGCC
AAGCCCTACATCACAATCAACAACCTAAACCCAGAGAGAATAAGGATGTCTTAACCTTC
ACCTGTGAACCTAAGAGTGAGAACTACACCTACATTTGGTGGCTAAATGGTCAGAGCCTC
CCTGTGAGTCCCAGGGTAAAGCGACCCATTGAAAACAGGATCCTCATTCTACCAATGTC
ACGAGAAATGAAACAGGACCTTATCAATGTGAAATACGGGACCGATATGGTGGCATCCGC
AGTGACCCAGTCACCCCTGAATGTCTCTATGGTCCAGACCTCCCAGCATTACCTTCA
TTCACCTATTACCGTTCCAGGAGAAAACCTCTACTTGTCTGCTTCCGCCGAGTCTAACCCA
CGGGCACAAATATTCTTGACAATTAATGGGAAGTTTCAGCTATCAGGACAAAAGCTCTCT
ATCCCCAAATAACTACAAAGCATAGTGGGCTCTATGCTTGTCTGTTCGTAACCTCAGCC
ACTGGCAAGGAAAGCTCCAAATCCATCACAGTCAAAGTCTCTGACTGGATATTACCTGA
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Clone variation with respect to NM_002780.3
33 g=>c;35 g=>t;42 c=>t;52 g=>c;516 g=>a;718 t=>c;799 a=>g



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_002780 unedited</p> <pre>AATTTGTAATACGACTACTATAGGGCGGCCGGAATTCGGCACGAGGGACAGCACATCT GACAGCCGTA CT CAGGAAGCTTCTGGATCCTATGCTTATCTCCACAGAGGAGAACACACA AGCAGCAGAGACCATGGGGCCCCCTCAGCCCCCTCCGTCACACACCTCATCACTTGGAA GGGGCTCTGCTCACAGCATCACTTTTAAACTTCTGGAATCCGCCCACTGCCCAAGT CACGATTGAAGCCAGCCACCCAAAGTTTCTGAGGGGAAAAGATGTTCTTCTACTTGTCCA CAATTTGCCCCAGAATCTTGCTGGCTACATTTGGTACAAAGGGCAAATGACATACCTCTA CCATTACATTACATCATATGTAGTAGACGGTCAAAGAATTATATATGGGCCTGCATACAG TGAAGAGAAAAGAGTATATTCCAATGCATCCCTGCTGATCCAGAATGTCACGCAGGAGGA TGCAGGATCCTACACCTTACACATCATAAAGCGACGCGATGGGACTGGAGGAGTAACTGG ACATTTACACCTTACCTTACACCTGGAGACTCCCAAGCCCTCCATCTCCAGCAGCAACTT AAATCCCATGGAGGCCATGGAGGCTGTGATCTTAACTGTGATCCTGCAACTCCAGCCGC AAGCTACCAGTGGTGGATGAATGGTCAGAGCCTCCCTATGACTCACAGGTTGCAGCTGTC CAAAACCAACAGGACCCTCTCTATTTTGGTGTACAAAAGTATATTGCAGGACCCTATGA ATGTGAAATACGGAACCCAGTGAGTGCCAGCCGAGTGACCCAGTCACCCTGAATCTCCT CCCATAGCTGCCAAGCCCTACATCACAATCAACAACCTATACCCAGAGAGAATNAGGG GATGTCTAACCCCTCACCTGTGAACCCTAGGAAGTGAGAACTACCTTACTTGGNAGG CTAAATGGTCANAACCCTCCCTGTGAGTCCANGGTAAAGCGACCCATCGAAATAAGGNA TCCTCATNCTACCAATGTCACNAGNAAATGAATAGGNACCTTATCCATGTNGAA</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_002780 unedited</p> <pre>GTTAATTCTCTTTTTTTTTTTTTTATTAGCAAATGTGGTACATGTTTTATTCTGCTAGAAT CAGTATTACTGTCACGTTTTACTGTATCTCTTAGGAAATGGTGAGAGCCATCCACACA ATGTGCATTTAAAGGAGACTCTACTGTAATTTAGCTTTTCTACTCTTTATAGAAACCAT CTTCTCTGCAAACACACAGGCAATATCTCTGTGTTCAATTTCTATTGGGAGCCCTGTATGC AAGATGGAGAGAGCCACATTTCCCTGAGATGTTACGTAAGGTTTGGAGTTGAGATGAC ATATCTGACACTGTGTTTACCCTCAGAAGCTACTACATGTGAAATTCTAATGACTGCA TTATCCTGCCAAGTGAAGAGGCCAGGCATGAGCAAGGACAGTTAAGAGGGGTGGGAGCCT TATCATGATGGGAGTCTGTTCTGACATCTTTGGAAAACTGTCCACAGTGTGAAGTCA TCAACTTGTTATCCTGGTTTACAGTTTGGAGTAGCTGTTGTTATGGTGTGCAACATTTTGG TGAGTTCTGAGTGGCTCACATGTCAGGTACAAGGGTTTTCCATGAAATTTACATCGAGT TGCCACCTCCAGCTTATAGGGCTTCTGGAACAGAGTGGGTCTTGCTCTTCGTGATTCCA TGGGAGAAAATGGAATTGGAGGAACTAGTAGAATTCAGGGTAATATCCAGTCAGAGACTT TGACTGTGATGGATTTGGAGCTTTCCTTGCCAGTGCCTGAGTTACGAACAGAGCATGCAT ATAGCCCACTATGCTTTGTAGT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_002780
Insert Size:	2000 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:

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_002780.3](#), [NP_002771.2](#)

RefSeq Size: 2059 bp

RefSeq ORF: 1260 bp

Locus ID: 5672

UniProt ID: [Q00888](#)

Cytogenetics: 19q13.31

Domains: ig, IGc2, IG

Protein Families: Secreted Protein

Gene Summary: The protein encoded by this gene is a pregnancy-specific glycoprotein (PSG), one of several encoded by a cluster of similar genes on chromosome 19. This gene is a member of the carcinoembryonic antigen (CEA) gene family and may play a role in regulation of the innate immune system. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). 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.