

## Product datasheet for **SC335177**

### PSG7 (NM\_001206650) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PSG7 (NM_001206650) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSG7
Synonyms:	PSBG-7; PSG1; PSGGA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335177 representing NM_001206650. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGGGCCCTCTCAGCCCTCCCTGCACACAGCATATAACCTGGAAAGGGCTCCTGCTCACAGTGGAG
ACTCCCAAACCTCCATCTCCAGCAGCAATTTCAACCCAGGGAGGCCACGGAGGCTGTGATTTTAAAC
TGTGATCCTGAGACTCCAGATGCAAGCTACCTGTGGTGGATGAATGGTCAGAGCCTCCCTATGACTCAC
AGCTTGCAGCTGTCTGAAACCAACAGGACCCTCTACCTATTTGGTGTCAAACTATACTGCAGGACCC
TATGAATGTGAAATACGGAACCCAGTGAGTGCCAGCCGAGTGACCCAGTCACCCTGAATCTCCTCCCG
AAGCTGCCAAGCCCTACATACCATCAATAACTTAAACCCAGGGAGAATAAGGATGTCTCAACCTTC
ACCTGTGAACCTAAGAGTGAGAACTACACCTACATTTGGTGGCTAAATGGTCAGAGCCTCCCGGTCAGT
CCCAGGGTAAAGCGACGCATTGAAAACAGGATCCTCATTCTACCCAGTGTACGAGAAATGAAAACAGGA
CCCTATCAATGTGAAATACGGGACCGATATGGTGGCATCCGAGTGACCCAGTCACCCTGAATGTCTC
TATGGTCCAGACCTCCCCAGAATTTACCCTTATTACCTATTACCATTAGGACAAAACCTCTACTTGG
TCCTGCTTTGCGGACTCTAACCACCGGCACAGTATTCTTGGACAATTAATGGGAAGTTTCAGCTATCA
GGACAAAAGCTTTCTATCCCCAGATTACTACAAAGCATAGCGGGCTCTATGCTTGCTGTTCGTAAC
TCAGCCACTGGCAAGGAAAGCTCCAATCCGTGACAGTCAGAGTCTCTGACTGGACATTACCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001206650
Insert Size:	894 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001206650.1</a></u>
<b>RefSeq Size:</b>	1680 bp
<b>RefSeq ORF:</b>	894 bp
<b>Locus ID:</b>	5676
<b>Cytogenetics:</b>	19q13.31
<b>Protein Families:</b>	Secreted Protein
<b>MW:</b>	33.4 kDa
<b>Gene Summary:</b>	<p>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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1, resulting in an isoform (2) that is shorter than isoform 1.</p>