

Product datasheet for **SC334712**

PSG7 (NM_001290042) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSG7 (NM_001290042) 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:	>NCBI ORF sequence for NM_001290042, the custom clone sequence may differ by one or more nucleotides

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ATGAATGGTCAGAGCCTCCCTATGACTCACAGCTTGCAGCTGTCTGAAACCAACAGGACCCTCTACCTAT
TTGGTGCACAACTATACTGCAGGACCCTATGAATGTGAAATACGGAACCCAGTGAGTGCCAGCCGCAG
TGACCCAGTCACCCTGAATCTCCTCCCGAAGCTGCCAAGCCCTACATCACCATCAATAACTTAAACCCC
AGGGAGAATAAGGATGTCTCAACCTTACCTGTGAACCTAAGAGTGAGAAGTACACCTACATTTGGTGCC
TAAATGGTCAGAGCCTCCCGTCCAGGTTAAAGCGACGCATTGAAACAGGATCCTCATTCTACC
CAGTGTACAGAGAAATGAAACAGGACCCTATCAATGTGAAATACGGGACCGATATGGTGGCATCCGCAGT
GACCCAGTCACCCTGAATGTCCTCTATGGTCCAGACCTCCCAGAATTTACCTTCATTCACCTATTACC
ATTCAGGACAAAACCTCTACTTGTCTGCTTTGCGGACTCTAACCACCGGCACAGTATTCTGGACAAT
TAATGGGAAGTTTCAGCTATCAGGACAAAAGCTTTCTATCCCCAGATTACTACAAAGCATAGCGGGCTC
TATGCTTGCTCTGTTTCGTAACCTCAGCCACTGGCAAGGAAAGCTCCAAATCCGTGACAGTCAGAGTCTCTG
ACTGGACATTACCCTGA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001290042
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).



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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:	<u>NM_001290042.1</u> , <u>NP_001276971.1</u>
RefSeq Size:	2046 bp
RefSeq ORF:	717 bp
Locus ID:	5676
Cytogenetics:	19q13.31
Protein Families:	Secreted Protein
Gene Summary:	<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 (1, short) differs at only 1 nt compared to variant 1, which causes translation initiation at a downstream AUG. The resulting isoform (3) is shorter at the N-terminus compared to isoform 1.</p>