

Product datasheet for **RC237283**

PSG7 (NM_001206650) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PSG7 (NM_001206650) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: PSG7
Synonyms: PSBG-7; PSG1; PSGGA
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC237283 representing NM_001206650
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGGCCCTCTCAGCCCTCCCTGCACACAGCATATAACCTGGAAAGGGCTCCTGCTCACAGTGGAGA
CTCCCAAACCTCCATCTCCAGCAGCAATTTCAACCCAGGGAGGCCACGGAGGCTGTGATTTAACCTG
TGATCCTGAGACTCCAGATGCAAGCTACCTGTGGTGGATGAATGGTCAGAGCCTCCCTATGACTCACAGC
TTGCAGCTGTCTGAAACCAACAGGACCCTCTACCTATTTGGTGTCAAACTATACTGCAGGACCCTATG
AATGTGAAATACGGAACCCAGTGAGTGCCAGCCGAGTGACCCAGTCACCCTGAATCTCCTCCCGAAGCT
GCCCAAGCCCTACATCACCATCAATAACTTAAACCCAGGGAGAATAAGGATGTCTCAACCTTCACTGT
GAACCTAAGAGTGAGAACTACACCTACATTTGGTGGCTAAATGGTCAGAGCCTCCCGTCACTCCAGGG
TAAAGCGACGCATTGAAAACAGGATCCTCATTCTACCCAGTGTCCAGAGAAATGAAACAGGACCCTATCA
ATGTGAAATACGGGACCGATATGGTGGCATCCGAGTGACCCAGTCACCCTGAATGTCCTCTATGGTCCA
GACCTCCCAGAATTTACCCTTCATTACCTATTACCATTACAGGACAAAACCTCTACTTGTCTGCTTTG
CGGACTTAACCCACGGCACAGTATTCTGGACAATTAATGGGAAGTTTCAGCTATCAGGACAAAAGCT
TTCTATCCCCAGATTACTACAAAGCATAGCGGGCTCTATGCTTGTCTGTTCGTAACCTCAGCCACTGGC
AAGGAAAGCTCCAAATCCGTGACAGTCAGAGTCTCTGACTGGACATTACCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237283 representing NM_001206650
 Red=Cloning site Green=Tags(s)

MGPLSAPPCTQHITWKGLLLTVETPKPSISSSNFNPREATEAVILTCDPETPDASYLWWMNGQSLPMTHS
 LQLSETNRTLFLFGVTNYTAGPYECEIRNPVSASRSDPVTLNLLPKLPKYITINNLPRENKDVSTFTC
 EPKSENYTYIWWLNGQSLPVSPrVKRRIENRILILPSVTRNETGPYQCEIRDYGGIRSDPVTNLNVLGPG
 DLPRIYPSFTYYHSGQNLYLSCFADSNPPAQYSWTINGKFQLSGQKLSIPQITTKHSGLYACSVRNSATG
 KESSKSVTVRVSDWTLPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

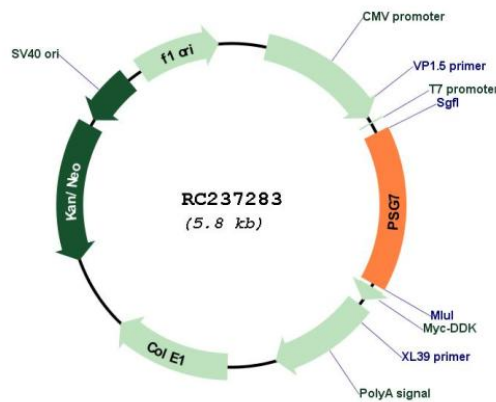
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001206650

ORF Size: 891 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001206650.2
RefSeq Size:	1680 bp
RefSeq ORF:	894 bp
Locus ID:	5676
Cytogenetics:	19q13.31
Protein Families:	Secreted Protein
MW:	33.9 kDa
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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]