

## Product datasheet for **RC237513**

### PSG9 (NM\_001301708) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PSG9 (NM\_001301708) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** PSG9  
**Synonyms:** PS34; PSBG-9; PSBG-11; PSG11; PSGII  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC237513 representing NM\_001301708  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGGCCCTCCAGCCCTTCTGCACACAGCGCATCACCTGGAAGGGGCTCCTGCTCACAGCATCAC  
TTTTAACTTCTGGAACCGCCACCCTGCCGAAGTACGATTGAAGCCAGCCACCCAAAGTTTCTGA  
GGGAAGGATGTTCTTCTACTTGTCCACAATTTGCCCCAGAATCTCCTGGCTACTTCTGGTACAAAGG  
GAAATGACGGACCTCTACCATTACATTATATCGTATATAGTTGATGGTAAATAATTATATATGGGCCTG  
CATAAGTGAAGAGAAACAGTATATCCAACGCATCCCTGCTGATCCAGAATGTCACCCGGAAGGATGC  
AGGAACCTACACCTTACACATCATAAAGCGAGGTGATGAGACTAGAGAAGAAATTCGACATTTACCTTC  
ACCTTATACTTGGAGACTCCCAAGCCCTACATCTCCAGCAGCAACTTAAACCCAGGGAGGCCATGGAGG  
CTGTGCGCTTAATCTGTGATCCTGAGACTCTGGACGCAAGCTACCTATGGTGGATGAATGGTCAGAGCCT  
CCCTGTGACTCACAGGTTGCAGCTGTCCAAAACCAACAGGACCCTCTATCTATTTGGTGTACAAAGTAT  
ATTGCAGGACCCTATGAATGTGAAATACGGAACCCAGTGAGTGCCAGTGCAGTGACCCAGTCACCCCTGA  
ATCTCTCCATGGTCCAGACCTCCCAAGAATTTACCTTCACCTATTACCGTTCAGGAGAAAACCT  
CGACTTGTCTGCTTACGGAATCTAACCCACCGCAGAGTATTTTGGACAATTAATGGGAAGTTTCAG  
CAATCAGGACAAAAGCTCTTTATCCCCAAATTAAGTAAATCATAGCGGCTCTATGCTTGTCTGTTT  
ATAACTCAGCCACTGGCAAGGAAATCTCCAATCCATGACAGTCAAAGTCTCTGGTCCCTGCCATGGAGA  
CCTGACAGAGTCTCAGTCA

**ACGGT**ACGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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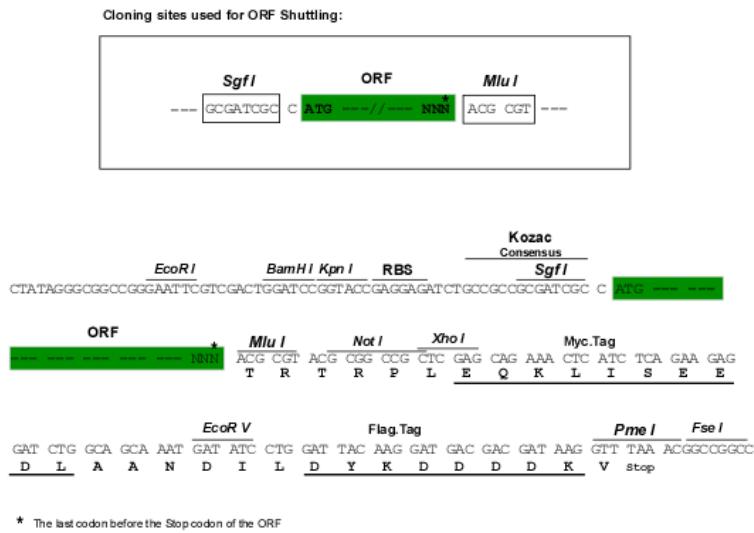
**Protein Sequence:** >RC237513 representing NM\_001301708  
Red=Cloning site Green=Tags(s)

MGPLPAPSCTQRITWKGLLLTASLLNFNPPPTTAEVTIEAQPPKVSEKDVLLL VHNLPQNLPGYFWYKG  
 EMTDLHYHIIISYIVDGKIIIIYGPAYSGRETVYSNASLLIQNVTRKDAGTYTLHIKRGDETREEIRHFTF  
 TLYLETPKPYISSNLPREAMEAVRLICDPETLDASYLWWMNGQSLPVTHRLQLSKTNRTLYLFVGTKY  
 IAGPYECEIRNPVSASRSDPVTLNLLHGPDLPRIYPSFTYYRSGENLDLSCFTESNPPAEYFWTINGKFO  
 QSGQKLFIPQITRNHSGLYACSVHNSATGKEISKSM TVKVYSGPCHGDLTESQS

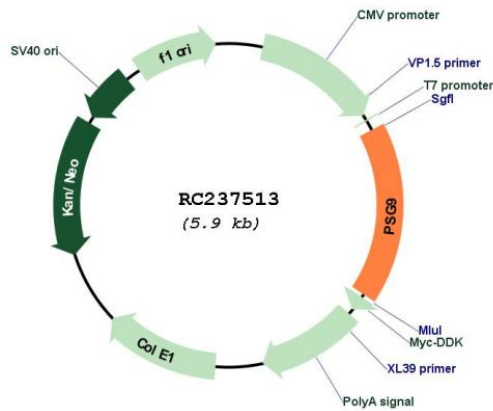
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001301708

**ORF Size:** 999 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001301708.2</a>
<b>RefSeq Size:</b>	1488 bp
<b>RefSeq ORF:</b>	1002 bp
<b>Locus ID:</b>	5678
<b>UniProt ID:</b>	<a href="#">Q00887</a>
<b>Cytogenetics:</b>	19q13.31
<b>Protein Families:</b>	Secreted Protein
<b>MW:</b>	38 kDa
<b>Gene Summary:</b>	The protein encoded by this gene is a member of the pregnancy-specific glycoprotein (PSG) family. This protein family and the closely related carcinoembryonic antigen cell adhesion molecule (CEACAM) gene family are both members of the immunoglobulin superfamily, and are organized as a large gene cluster. This protein is thought to inhibit platelet-fibrinogen interactions. Several studies suggest that reduced serum concentrations of PSGs are associated with fetal growth restrictions, while up-regulation of this gene has been observed in colorectal cancers. Several pseudogenes of this gene are found on chromosome 19. Alternative splicing results in multiple transcript variants that encode multiple protein isoforms. [provided by RefSeq, Sep 2014]