

## Product datasheet for **RG237513**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PSG9 (NM_001301708) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PSG9
Synonyms:	PS34; PSBG-9; PSBG-11; PSG11; PSGII
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237513 representing NM_001301708. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGCCCTCCAGCCCTTCTGCACACAGCGCATCACCTGGAAGGGGCTCCTGCTCACAGCATCA
CTTTAAACTTCTGGAACCCGCCACCACTGCCGAAGTCACGATTGAAGCCAGCCACCCAAAGTTTCT
GAGGGGAAGGATGTTCTTCTACTTGTCCACAATTTGCCCAAGATCTTCTGGCTACTTCTGGTACAAA
GGGGAATGACGGACCTTACCATTACATTATATCGTATATAGTTGATGGTAAAAAATTATATATGGG
CCTGCATACAGTGAAGAGAAACAGTATATTCCAACGCATCCCTGCTGATCCAGAATGTCACCCGGAAG
GATGCAGGAACCTACACCTTACACATCATAAAGCGAGGTGATGAGACTAGAGAAGAAATTCGACATTC
ACCTTCACCTTATACTTGGAGACTCCCAAGCCCTACATCTCCAGCAGCAACTTAAACCCAGGGAGGCC
ATGGAGGCTGTGCGCTTAATCTGTGATCCTGAGACTCTGGACGCAAGCTACCTATGGTGGATGAATGGT
CAGAGCCTCCCTGTGACTCACAGGTTGCAGCTGTCCAAAACCAACAGGACCCTCTATCTATTTGGTGTC
ACAAAGTATATTGCAGGACCCTATGAATGTGAAATACGGAACCCAGTGAGTGCCAGTCGCAGTGACCCA
GTCACCTGAATCTCCTCATGGTCCAGACCTCCCAGAATTTACCCTTCATTACCTATTACCGTTCA
GGAGAAAACCTCGACTTGTCTGCTTACGGAATCTAACCACCGGCAGAGTATTTTGGACAATTAAT
GGGAAGTTTCAGCAATCAGGACAAAAGCTTTTATCCCCAAATTAAGTAAATCATAGCGGGCTCTAT
GCTTGCTCTGTTCACTCAGCCACTGGCAAGGAAATCTCCAAATCCATGACAGTCAAAGTCTCTGGT
CCCTGCCATGGAGACCTGACAGAGTCTCAGTCA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



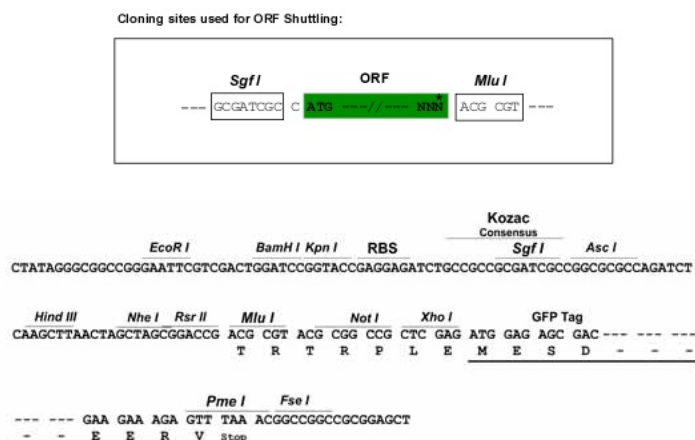
[View online »](#)

**Protein Sequence:** >Peptide sequence encoded by RG237513  
 Blue=ORF Red=Cloning site Green=Tag(s)

MGPLPAPSCTQRITWKGLLLTASLLNFWNPPTTAEVTIEAQPPKVSEKDVLLL VHNLPQNLPGYFYWK  
 GEMTDLYHYIISYIVDGKIIYGPAYSGRETVYSNASLLIQNVTRKDAGYTLHIKRGDETREEIRHF  
 TFTLYLETPKPYISSSNLNPREAMEAVRLICDPETLDASYLWMMNGQSLPVTHRLQLSKTNRTL YLFGV  
 TKYIAGPYECEIRNPVSASRSDPVTLNLLHGPDLPRIYPSFTYYRSGENLDLSCFTESNPPAEYFWTIN  
 GKFAQSGQKLFIPQITRNHSGLYACSVHNSATGKEISKSM TVKVS GPC HGD LTESQS  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001301708

**ORF Size:** 999 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).

**RefSeq:** [NM\\_001301708.2](#)

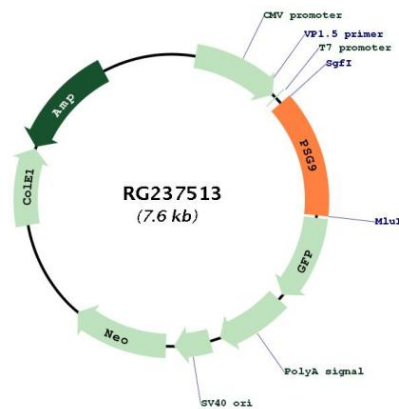
**RefSeq Size:** 1488 bp

**RefSeq ORF:** 1002 bp

**Locus ID:** 5678  
**UniProt ID:** [Q00887](#)  
**Cytogenetics:** 19q13.31  
**Protein Families:** Secreted Protein  
**MW:** 38 kDa

**Gene Summary:** 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]

### Product images:



Circular map for RG237513