

Product datasheet for **RG204742**

PSG9 (NM_002784) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSG9 (NM_002784) 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:	>RG204742 representing NM_002784 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGCCCTCCAGCCCTTCTGCACACAGCGCATCACCTGGAAGGGGCTCCTGCTCACAGCATCAC
TTTTAACTTCTGGAACCCGCCACCCTGCCGAAGTACGATTGAAGCCAGCCACCCAAAGTTTCTGA
GGGAAGGATGTTCTTCTACTTGTCCACAATTTGCCCCAGAATCTTCTGGCTACTTCTGGTACAAAGG
GAAATGACGGACCTCTACCATTACATTATATCGTATATAGTTGATGGTAAATAATTATATATGGCCCTG
CATAAGTGAAGAGAAACAGTATATCCAACGCATCCCTGCTGATCCAGAATGTCACCCGGAAGGATGC
AGGAACCTACACCTTACACATCATAAAGCGAGGTGATGAGACTAGAGAAGAAATTCGACATTTACCTTC
ACCTTATACTTGGAGACTCCCAAGCCCTACATCTCCAGCAGCAACTTAAACCCAGGGAGGCCATGGAGG
CTGTGCGCTTAATCTGTGATCCTGAGACTCTGGACGCAAGCTACCTATGGTGGATGAATGGTCAGAGCCT
CCCTGTGACTCACAGGTTGCAGCTGTCCAAAACCAACAGGACCCTCTATCTATTTGGTGTCAAAAGTAT
ATTGCAGGACCCTATGAATGTGAAATACGGAACCCAGTGAGTGCCAGTGCAGTGACCCAGTCACCTGA
ATCTCCTCCGAAGCTGCCATCCCCTACATCACCATCAACAACCTTAAACCCAGGGAGAATAAGGATGT
CTTAGCCTTACCTGTGAACCTAAGAGTGAGAACTACACCTACATTTGGTGGCTAAACGGTCAGAGCCTC
CCCGTCAGTCCCGGGTAAAGCGACCCATTGAAAACAGGATACTATTCTACCCAGTGTCCAGGAAATG
AAACAGGACCCTATCAATGTGAAATACAGGACCGATATGGTGGCCTCCGACAGTAACCCAGTCATCTAAA
TGTCCTCTATGGTCCAGACCTCCCAAGAAATTTACCCTTACCTATTACCGTTCAGGAGAAAACCTC
GACTTGTCTGCTTACGGAATCTAACCACCGGCAGAGTATTTTTGGACAATTAATGGGAAGTTTCAGC
AATCAGGACAAAAGCTCTTTATCCCCAAATTACTAGAAATCATAGCGGGCTCTATGCTTGTCTGTTCA
TAACTCAGCCACTGGCAAGGAAATCTCAAATCCATGACAGTCAAAGTCTCTGGTCCCTGCCATGGAGAC
CTGACAGAGTCTCAGTCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG204742 representing NM_002784
 Red=Cloning site Green=Tags(s)

MGPLPAPSCTQRITWKGLLLTASLLNFWNPPTTAEVTIEAQPPKVSEKDVLLL VHNLPQNLPGYFWYKG
 EMTDLYHYIISYIVDGKIIYGPAYSGRETVYSNASLLIQNVTRKDAGTYTLHIKRGDETREEIRHFTF
 TLYLETPKPYISSNLPREAMEAVRLICDPETLDASYLWWMNGQSLPVTHRLQLSKTNRITLYLFGVTKY
 IAGPYECEIRNPVSASRSDPVTLNLLPKLPITYITINNLNPRENKDVLAFTECPKSENYTYIWWLNGQSL
 PVSPGVKRPIENRILILPSVTRNETGPYQCEIQDRYGGGLRSNPVILNVL YGPDLPRIYPSFTYYRSGENL
 DLSCFTESNPPAEYFWTINGKFQSQGKLFIPQITRNHSGLYACSVHNSATGKEISKSM TVKVS GPCHGD
 LTESQS

TRTRPLE - GFP Tag - V

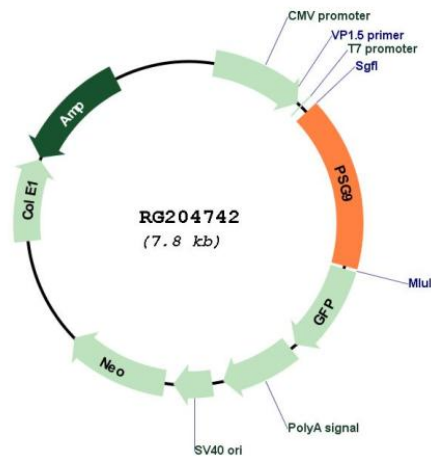
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_002784

ORF Size:	1278 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_002784.2 , NP_002775.2
RefSeq Size:	1731 bp
RefSeq ORF:	1281 bp
Locus ID:	5678
UniProt ID:	Q00887
Cytogenetics:	19q13.31
Domains:	ig, IGc2, IG
Protein Families:	Secreted Protein
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]