

Product datasheet for **RG237512**

PSG9 (NM_001301707) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSG9 (NM_001301707) 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:	>RG237512 representing NM_001301707. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGCCCTCCAGCCCTTCTGCACACAGCGCATCACCTGGAAGGGGCTCCTGCTCACAGCATCA
CTTTAAACTTCTGGAACCCGCCACCACTGCCGAAGTCACGATTGAAGCCAGCCACCCAAAGTTTCT
GAGGGGAAGGATGTTCTTCTACTTGTCCACAATTTGCCCCAGAATCTTCTGGCTACTTCTGGTACAAA
GGGGAATGACGGACCTTACCATTACATTATATCGTATATAGTTGATGGTAAAAAATTATATATGGG
CCTGCATACAGTGAAGAGAAACAGTATATTCCAACGCATCCCTGCTGATCCAGAATGTCACCCGGAAG
GATGCAGGAACCTACACCTTACACATCATAAAGCGAGGTGATGAGACTAGAGAAGAAATTCGACATTC
ACCTTCACCTTATACTCGAAGCTGCCATCCCCTACATCACCATCAACAATTAACCCAGGGAGAAAT
AAGGATGTCTTAGCCTTACCTGTGAACCTAAGAGTGAGAACTACACCTACATTTGGTGGCTAAACGGT
CAGAGCCTCCCGTCAGTCCCGGGTAAAGCGACCCATTGAAAACAGGATACTCATTCTACCCAGTGTC
ACGAGAAATGAAACAGGACCCTATCAATGTGAAATACGGGACCGATATGGTGGCCTCCGCAGTAACCCA
GTCATCTAAATGTCCTCTATGGTCCAGACCTCCCAGAAATTTACCCTTCATTACCTATTACCGTTCA
GGAGAAAACCTCGACTTGTCTGCTTACGGAATCTAACCACCGGCAGAGTATTTTGGACAATTAAT
GGGAAGTTTCAGCAATCAGGACAAAAGCTTTTATCCCCAAATTAAGTAAATCATAGCGGGCTCTAT
GCTTGCTCTGTTCACTCAGCCACTGGCAAGGAAATCTCCAAATCCATGACAGTCAAAGTCTCTGGT
CCCTGCCATGGAGACCTGACAGAGTCTCAGTCA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237512
 Blue=ORF Red=Cloning site Green=Tag(s)

MGPLPAPSCTQRITWKGLLLTASLLNFWNPPTTAEVTIEAQPPKVSEKDVLLL VHNLPQNLPGYFWYK
 GEMTDLYHYIISYIVDGKIIYGPAYSGRETVYSNASLLIQNVTRKADAGTYTLHIKRGDETREEIRHF
 TFTLYSKLPIPYITINNLNPRENKDVLAFTECPKSENYTIWWLNGQSLPVSPGVKRIENRILILPSV
 TRNETGPYQCEIRDYGGRLRSNPVILNVLVYGPDLPRIYPSFTYYRSGENLDLSCFTESNPPAEYFWTIN
 GKFFQSGQKLFIPQITRNHSLYACSVHNSATGKEISKSM TVKVS GPC HGD LTESQS
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001301707

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_001301707.2](#)

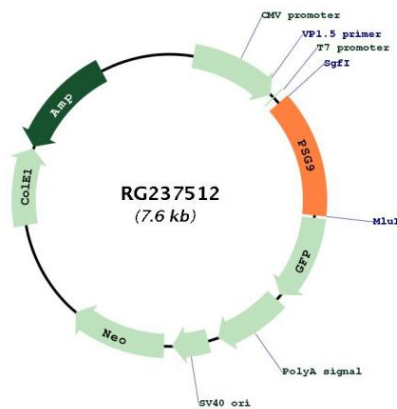
RefSeq Size: 1488 bp

RefSeq ORF: 1002 bp

Locus ID: 5678
UniProt ID: [Q00887](#)
Cytogenetics: 19q13.31
Protein Families: Secreted Protein
MW: 38.2 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 RG237512