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Product datasheet for RC236847

PSG9 (NM_001301709) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSG9 (NM_001301709) 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:	>RC236847 representing NM_001301709 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGGGCCCCTCCCAGCCCCTTCCTGCACACAGCGCATCACCTGGAAGGGGCTCCTGCTCACAGCATCAC TTTTAAACTTCTGGAACCCGCCCACCACTGCCGAAGTCACGATTGAAGCCCAGCCACCCAAAGTTTCTGA GGGGAAGGATGTTCTTCTACTTGTCCACAATTTGCCCCAGAATCTTCCTGGCTACTTCTGGTACAAAGGG GAAATGACGGACCTCTACCATTACATTATATCGTATATAGTTGATGGTAAAATAATTATATATGGGCCTG CATACAGTGGAAGAGAAACAGTATATTCCAACGCATCCCTGCTGATCCAGAATGTCACCCGGAAGGATGC AGGAACCTACACCTTACACATCATAAAGCGAGGTGATGAGACTAGAGAAGAAATTCGACATTTCACCTTC ACCTTATACTATGGTCCAGACCTCCCCAGAATTTACCCTTCATTCACCTATTACCGTTCAGGAGAAAACC TCGACTTGTCCTGCTTCACGGAATCTAACCCACCGGCAGAGTATTTTTGGACAATTAATGGGAAGTTTCA GCAATCAGGACAAAAGCTCTTTATCCCCCAAATTACTAGAAATCATAGCGGGCTCTATGCTTGCTCTGTT CATAACTCAGCCACTGGCAAGGAAATCTCCAAATCCATGACAGTCAAAGTCTCTGGTCCCTGCCATGGAG ACCTGACAGAGTCTCAGTCA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

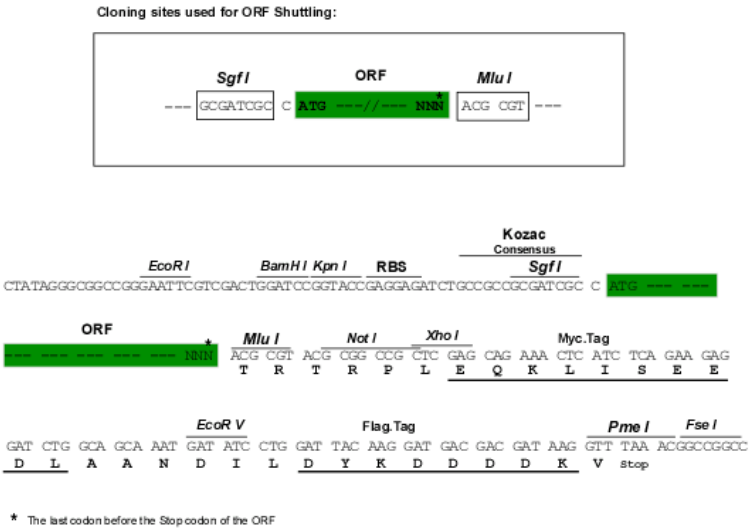
>RC236847 representing NM_001301709
Red=Cloning site Green=Tags(s)

MGPLPAPSCTQRITWKGLLLTASLLNFWNPPTTAEVTIEAQPPKVSEGKDVLLLVHNLPQNLPGYFWYKG
EMTDLYHYIISYIVDGKIIIYGPAYSGRETVYSNASLLIQNVTRKDAGTYTLHIIKRGDETREEIRHFTF
TLYYGPDLPRIYPSFTYYRSGENLDLSCFTESNPPAEYFWTINGKFQQSGQKLFIPQITRNHSGLYACSV
HNSATGKEISKSMTVKVSGPCHGDLTESQS

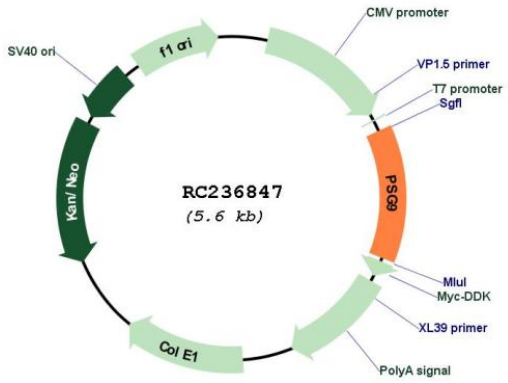
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001301709

ORF Size: 720 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:	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_001301709.2
RefSeq Size:	1209 bp
RefSeq ORF:	723 bp
Locus ID:	5678
UniProt ID:	Q00887
Cytogenetics:	19q13.31
Protein Families:	Secreted Protein
MW:	27.5 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]