

Product datasheet for SC308688

PSG4 (NM_213633) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSG4 (NM_213633) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSG4
Synonyms:	PSBG-4; PSBG-9; PSG9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308688 representing NM_213633. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGGGCCCTCTCAGCCCTCCCTGCACACAGCGCATCACCTGGAAGGGGGTCTCTGCACAGCATCA
CTTTTAAACTTCTGGAATCCGCCACAACCTGCCAAGTCACGATTGAAGCCAGCCACCCAAAGTTTCT
GAGGGGAAGGATGTTCTTCTACTTGTCCACAATTTGCCCCAGAATCTTGTGGCTACATTTGGTACAAA
GGGCAATGACATACCTTACCATTACATTACATCATATGTAGTAGACGGTCAAAGAATTATATATGGG
CCTGCATACAGTGAAGAGAAAGAGTATATTCCAATGCATCCCTGCTGATCCAGAATGTCACGCAGGAG
GATGCAGGATCCTACACCTTACACATCATAAAGCGACGCGATGGGACTGGAGGAGTAACTGGACATTC
ACCTTCACCTTACACCTGGAGACTCCCAAGCCCTCCATCTCCAGCAGCAACTTAAATCCCAGGGAGGCC
ATGGAGGCTGTGATCTTAACCTGTGATCCTGCGACTCCAGCCGCAAGCTACCAAGTGGTGAATGGT
CAGAGCCTCCCTATGACTCACAGGTTGCAGCTGTCCAAAACCAACAGGACCCTCTTTATATTTGGTGTC
ACAAAGTATATTGCAGGACCCTATGAATGTGAAATACGGAACCCAGTGAGTGCCAGCCGAGTGACCCA
GTCACCCTGAATCTCCTCATGGTCCAGACCTCCCCAGCATTTACCCTTCATTACCTATTACCGTTCA
GGAGAAAACCTCTACTTGTCTGCTTCGCCGAGTCTAACCACGGGCACAATATTCTTGGACAATTAAT
GGGAAGTTTCAGCTATCAGGACAAAAGCTCTCTATCCCCAAATAACTACAAAGCATAGTGGGCTCTAT
GCTTGCTGTGTAAGTCACTCAGCCACTGGCAAGGAAAGCTCCAAATCCATCACAGTCAAAGTCTCTGAC
TGGATATTACCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_213633



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Insert Size:	981 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_213633.2
RefSeq Size:	1916 bp
RefSeq ORF:	981 bp
Locus ID:	5672
UniProt ID:	Q00888
Cytogenetics:	19q13.31
Protein Families:	Secreted Protein
MW:	36.3 kDa
Gene Summary:	<p>The protein encoded by this gene is a pregnancy-specific glycoprotein (PSG), one of several encoded by a cluster of similar genes on chromosome 19. This gene is a member of the carcinoembryonic antigen (CEA) gene family and may play a role in regulation of the innate immune system. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>