

Product datasheet for SC307490

PSG8 (NM_182707) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSG8 (NM_182707) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSG8
Synonyms:	PSG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307490 representing NM_182707. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGGGCTCCTCTCAGCCCTCCCTGCACACAGCGCATCACCTGGAAGGGGCTCCTGCTCACAGCATCA
 CTTTAACTTCTGGAACCCACCCACGACTGCCAAGTCACGATTGAAGCCAGCCAACCAAGTTTCT
 GAGGGGAAGGATGTTCTTCTACTGTCCACAATTTGCCCAAGTCTTACTGGCTACATCTGGTACAAA
 GGGCAATCAGGGACCTCTACCATTACATTACATCATATGTAGTAGACGGTCAAATAATTATATATGGG
 CCTGCATACAGTGGACGAGAAACAATATATTCCAATGCATCCCTGCTGATCCAGAATGTCACCCAGGAA
 GACGCAGGATCCTACACCTTACACATCATAATGGGAGGTGATGAGAATAGAGGAGTAAGTGGACATTTC
 ACCTTCACCTTATATCTGGAGACTCCCAAGCCCTCCATCTCCAGCAGCAAATTAACCCAGGGAGGCC
 ATGGAGGCTGTGAGCTTAACCTGTGATCCTGAGACTCCGGACGCAAGCTACCTGTGGTGGATGAATGGT
 CAGAGCCTCCCTATGTCTCACAGGTTGCAGTTGTCTGAAACCAACAGGACCTCTTTCTATTGGGTGTC
 ACAAAGTACACTGCAGGACCCTATGAATGTGAAATACGGAACCCAGTGAGTGCCAGCCGCACTGACCCA
 TTCACCTGAATCTCTCCGAAGCTGCCAAGCCCTACATCACCATCAACAACCTAAAACCCAGGGAG
 AATAAGGATGTCTTAACTTCACCTGTGAACCTAAGAGTGAGAACTACACCTACATTTGGTGGCTAAAT
 GGTCAGAGCCTCCCGTCAGTCCCAGGGTAAAGCGACCCATTGAAACAGGATCCTCATTCTACCCAGT
 GTCACGAGAAATGAAACAGGACCCTATCAATGTGAAATAGGGACCAATATGGTGGCATCCGAGTTAC
 CCAGTCACCTGAATGTCCTCTATGGTCCAGACCTCCCAAGAAATTAACCTTCATTACCTATTACCGT
 TCAGGAGAAGTCTCTACTTGTCTGTTCTGCGGACTCTAACCCACCGGCACAGTATTCTTGGACAATT
 AATGGGAAGTTTCAGCTATCAGGACAAAAGCTCTTTATCCCCAAATTACTACAAAGCATAGCGGGCTC
 TATGCTTGCTCTGTTCTGTAACCTAGCCACTGGCAAGGAAAGCTCCAAATCCATGACAGTAAAGTCTCT
 GGTAAGCGGATCCAGTATCCTTGGAATAGGGATT**AG**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC


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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_182707
Insert Size:	1281 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:	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:	<u>NM_182707.2</u>
RefSeq Size:	1441 bp
RefSeq ORF:	1281 bp
Locus ID:	440533
UniProt ID:	<u>Q9UQ74</u>
Cytogenetics:	19q13.2
Protein Families:	Secreted Protein
MW:	47.8 kDa
Gene Summary:	The human pregnancy-specific glycoproteins (PSGs) are a group of molecules that are mainly produced by the placental syncytiotrophoblasts during pregnancy. PSGs comprise a subgroup of the carcinoembryonic antigen (CEA) family, which belongs to the immunoglobulin superfamily. For additional general information about the PSG gene family, see PSG1 (MIM 176390).[supplied by OMIM, Oct 2009] Transcript Variant: This variant (1) encodes the longest isoform (a).