

## Product datasheet for SC318797

### Pregnancy specific beta 1 glycoprotein 11 (PSG11) (NM\_001113410) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pregnancy specific beta 1 glycoprotein 11 (PSG11) (NM_001113410) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSG11
Synonyms:	PSBG-11; PSBG-13; PSG13; PSG14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318797 representing NM_001113410. Blue=Insert sequence Red=Cloning site Green=Tag(s)

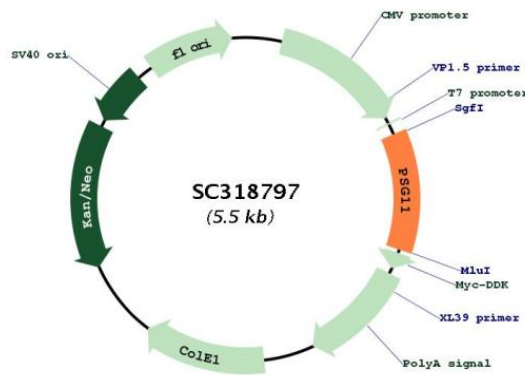
```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGCCCTCTCAGCCCTCCCTGCACAGAGCACATCAAATGGAAGGGGCTCCTGCTCACAGTGGAG
ACTCCAAGCCCTCCATCTCCAGCAGCAACTTAAACCCAGGGAGGCCATGGAGACTGTGATCTTAACC
TGTAATCCTGAGACTCCGGACGCAAGCTACCTGTGGTGGATGAATGGTCAGAGCCTCCCTATGACTCAT
AGGATGCAGCTGTCTGAAACCAACAGGACCCTCTTTCTATTTGGTGTACAAAGTATACTGCAGGACCC
TATGAATGTGAAATATGGAACCTCAGGGAGTGCCAGCCGAGTACCCAGTCACCCTGAATCTCCTCCAT
GGTCCAGACCTCCCAGAATTTCCCTCAGTCACCTCTTACTATTCAGGAGAGAACCTCGACTTGTCC
TGCTTCGAAACTCTAACCCACCAGCACAGTATTCTTGGACAATTAATGGGAAGTTTCAGCTATCAGGA
CAAAGCTCTTTATCCCTCAGATTACTCAAAGCATAATGGGCTCTATGCTTGCTGCTCGTAACTCA
GCCACTGGCGAGGAAAGCTCCACATCCTTGACAATCAGAGTCATTGCTCCTCCAGGATTAGGAACTTT
GCTTTCAATAATCCAACGTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



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**Plasmid Map:**



**ACCN:** NM\_001113410

**Insert Size:** 642 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:** [NM\\_001113410.1](#)

RefSeq Size: 1175 bp

RefSeq ORF: 642 bp

Locus ID: 5680

UniProt ID: [Q9UQ72](#)

Cytogenetics: 19q13.31

Protein Families: Secreted Protein

MW: 23.4 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 (3) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1, resulting in a shorter protein (isoform 2), compared to isoform 1. Both variants 2 and 3 encode the same isoform. 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.