

Product datasheet for **RG225255**

Pregnancy specific beta 1 glycoprotein 11 (PSG11) (NM_001113410) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pregnancy specific beta 1 glycoprotein 11 (PSG11) (NM_001113410) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PSG11
Synonyms:	PSBG-11; PSBG-13; PSG13; PSG14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG225255 representing NM_001113410 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGCCCTCTCAGCCCCTCCCTGCACAGAGCACATCAAATGGAAGGGGCTCCTGCTCACAGTGGAGA
CTCCCAAGCCCTCCATCTCCAGCAGCAACTTAAACCCAGGGAGGCCATGGAGACTGTGATCTTAACCTG
TAATCCTGAGACTCCGGACGCAAGCTACCTGTGGTGGATGAATGGTCAGAGCCTCCCTATGACTCATAGG
ATGCAGCTGTCTGAAACCAACAGGACCCTCTTTCTATTTGGTGTCAAAAGTATACTGCAGGACCCTATG
AATGTGAAATATGGAATCAGGGAGTGCCAGCCGAGTGACCCAGTCACCCTGAATCTCCTCCATGGTCC
AGACCTCCCAGAAATTTCCCTTCAGTCACCTTACTATTTCAGGAGAGAACCTCGACTTGTCTGCTTC
GCAAACCTAACCACCAGCACAGTATTCTTGGACAATTAATGGGAAGTTTCAGCTATCAGGACAAAAGC
TCTTTATCCCTCAGATTACTCCAAGCATAATGGGCTCTATGCTTGTCTGCTCGTAACTCAGCCACTGG
CGAGGAAAGCTCCACATCCTTGACAATCAGAGTCATTGCTCCTCCAGGATTAGGAACTTTTGCTTTCAT
AATCCAACG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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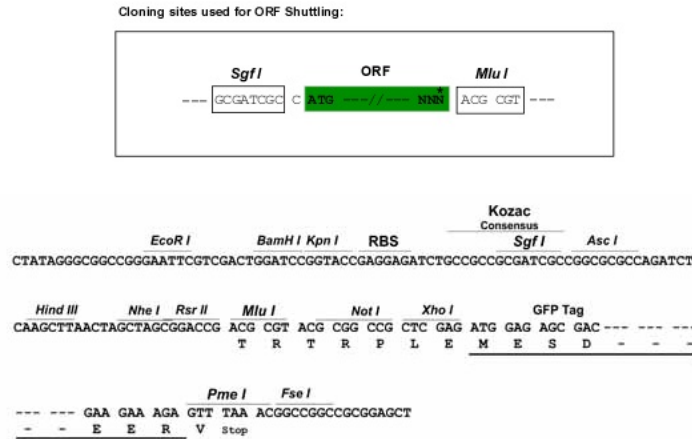
Protein Sequence: >RG225255 representing NM_001113410
Red=Cloning site Green=Tags(s)

MGPLSAPPCTEHIKWKGLLLTVETPKPSISSSNLNPREAMETVILTCNPETPDASYLWWMNGQSLPMTHR
 MQLSETNRTLFLFGVTKYTAGPYECEIWNSSGASRSDPVTLLHGPDLPRIFPSVTSYYSGENLDLSCF
 ANSNPPAQYSWTINGKFQLSGQKLFIPQITPKHNGLYACARSNSATGEESSTSLTIRVIAPPGLGTFAFN
 NPT

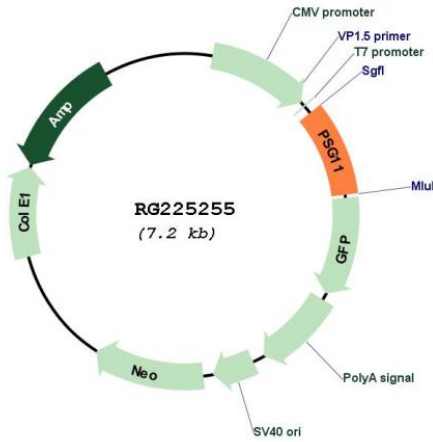
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001113410

ORF Size: 639 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:	<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_001113410.2
RefSeq Size:	1175 bp
RefSeq ORF:	642 bp
Locus ID:	5680
UniProt ID:	Q9UQ72
Cytogenetics:	19q13.31
Protein Families:	Secreted Protein
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]