

Product datasheet for **RG225410**

PSG8 (NM_001130168) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSG8 (NM_001130168) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PSG8
Synonyms:	PSG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG225410 representing NM_001130168 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGCTCCTCTCAGCCCCTCCCTGCACACAGCGCATCACCTGGAAGGGGCTCCTGCTCACAGTGGAGA
CTCCCAAGCCCTCCATCTCCAGCAGCAAATTAACCCAGGGAGGCCATGGAGGCTGTGAGCTTAACCTG
TGATCCTGAGACTCCGGACGCAAGCTACCTGTGGTGGATGAATGGTCAGAGCCTCCCTATGTCTCACAGG
TTGCAGTTGTCTGAAACCAACAGGACCCTCTTTCTATTGGGTGTCACAAAGTACACTGCAGGACCCTATG
AATGTGAAATACGGAACCCAGTGAGTGCCAGCCGAGTACCCATTACCCCTGAATCTCCTCCCGAAGCT
GCCCAAGCCCTACATCACCATCAACAACCTAAAACCCAGGGAGAATAAGGATGTCTTAAACTTCACTGT
GAACCTAAGAGTGAGAACTACACCTACATTTGGTGGCTAAATGGTCAGAGCCTCCCGGTCAGTCCCAGGG
TAAAGCGACCCATTGAAAACAGGATCCTCATTCTACCCAGTGTACGAGAAATGAAAACAGGACCCTATCA
ATGTGAAATAAGGGACCAATATGGTGGCATCCGCAGTTACCCAGTACCCTGAATGTCTCTATGGTCCA
GACCTCCCAGAAATTTACCCTTCATTACCTATTACCGTTCAGGAGAAGTCCCTACTTGTCTGTCTGT
CGGACTTAACCCACCGGCACAGTATTCTTGGACAATTAATGGGAAGTTTCAGCTATCAGGACAAAAGCT
CTTTATCCCCAAATTAATAAAGCATAGCGGGCTCTATGCTTGTCTGTTCGTAACCTCAGCCACTGGC
AAGGAAAGCTCCAAATCCATGACAGTAAAAGTCTCTGACTGGACATTACCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG225410 representing NM_001130168
 Red=Cloning site Green=Tags(s)

MGLLSAPPCTQRITWKGLLLTVETPKPSISSSKLNPREAMEAVSLTCDPETPDASYLWWMNGQSLPMSHR
 LQLSETNRTLFLLLGVTKYTAGPYECEIRNPVSASRSDPFTLNLLPKLKPYPITINLKPENKDVLFNFTC
 EPKSENYTYIWWLNGQSLPVS PRVKRPIENRILILPSVTRNETGPYQCEIRDQYGGIRSYPTLVNLVYGP
 DLPRIYPSFTYYRSGEVLVLSCSADSNPPAQYSWTINGKFQLSGQKLFIPQITTKHSGLYACSVRNSATG
 KESSKSMTVKVSDWTLP

TRTRPLE - GFP Tag - V

Restriction Sites:

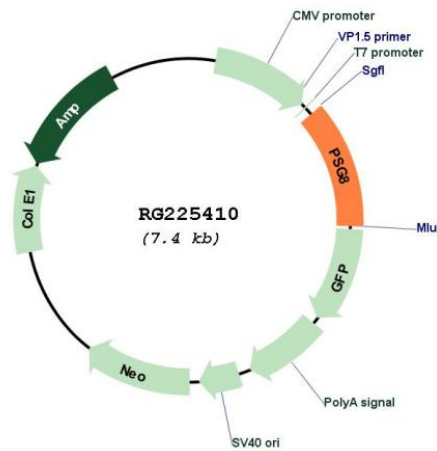
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001130168

ORF Size: 891 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_001130168.2
RefSeq Size:	1665 bp
RefSeq ORF:	894 bp
Locus ID:	440533
UniProt ID:	Q9UQ74
Cytogenetics:	19q13.2
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]