

Product datasheet for **RG223496**

PSG6 (NM_002782) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSG6 (NM_002782) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PSG6
Synonyms:	PSBG-6; PSBG-10; PSBG-12; PSG10; PSGGB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG223496 representing NM_002782 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGACCCCTCTCAGCCCTCCCTGCACTCAGCACATCACCTGGAAGGGCTCCTGCTCACAGCATCAC
TTTTAACTTCTGGAACCTGCCACCCTGCCAAGTAATAATTGAAGCCAAGCCACCCAAAGTTCCGA
GGGAAGGATGTTCTTCTACTTGTCCACAATTTGCCCCAGAATCTTACTGGCTACATCTGGTACAAAGG
CAAATGACGGACCTCTACCATTACATTACATCATATGTAGTACACGGTCAAATTATATGGCCTGCCT
ACAGTGGACGAGAAACAGTATATTCCAATGCATCCCTGCTGATCCAGAATGCACACAGGAGGATGCAGG
ATCCTACACCTTACACATCATAAAGCGAGGCGATGGGACTGGAGGAGTAAGTGGATATTTACTGTACC
TTATACTCGGAGACTCCCAAGCCCTCCATCTCCAGCAGCAACTTAAACCCAGGGAGGTCATGGAGGCTG
TGCGCTTAATCTGTGATCCTGAGACTCCGGATGCAAGCTACCTGTGGTTGCTGAATGGTCAGAACCTCCC
TATGACTCACAGGTTGCAGCTGTCCAAAACCAACAGGACCCTCTATCTATTTGGTGTACAAAAGTATATT
GCAGGACCCTATGAATGTGAAATACGGAACCCAGTGAGTGCCAGCCGAGTGACCCAGTACCCTGAATC
TCCTCCGAAGCTGCCATGCCTTACATCACCATCAACAACCTTAAACCCAGGGAGAAGAAGGATGTGT
AGCCTTACCTGTGAACCTAAGAGTCGGAACCTACACCTACATTTGGTGGCTAAATGGTCAGAGCCTCCCG
GTCAGTCCGAGGGTAAAGCGACCCATTGAAAACAGGATACTCATTCTACCCAGTGCACGAGAAATGAAA
CAGGACCCTATCAATGTGAAATACGGGACCGATATGGTGGCATCCGAGTAACCCAGTACCCTGAATGT
CCTCTATGGTCCAGACCTCCCCAGAATTTACCCTTACCTATTACCGTTCAGGAGAAAACCTCGAC
TTGTCTGCTTTGCGGACTCTAACCCACCGCAGAGTATTCTTGGACAATTAATGGGAAGTTTCAGCTAT
CAGGACAAAAGCTCTTTATCCCCAAATTACTACAAATCATAGCGGGCTCTATGCTTGTCTGTTCGTAA
CTCAGCCACTGGCAAGGAAATCTCAAATCCATGATAGTCAAAGTCTCTGAGACAGCATCTCCCCAGTT
ACCTATGCTGGTCCAACACCTGGTTTCAAGAAATCCTTCTGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online >](#)

Protein Sequence: >RG223496 representing NM_002782
 Red=Cloning site Green=Tags(s)

MGPLSAPPCTQHITWKGLLLTASLLNFWNLPTTAQVIEAKPPKVSEKDVLLL VHNLPQNL TGYIWKG
 QMTDLYHYITSYVVHQI IYGPAYSGRET VVSNASLLIQNVTQEDAGSYTLHI IKRGDGTGGVTGYFTVT
 LYSETPKPSISSNLPREVMEAVRLICDPETPDASYLWLLNGQNLPMTHRLQLSKTNRTLYLFGVTKYI
 AGPYECEIRNPVSASRSDPVTLLNLLPKLPMPYITINNLNPREKKDVLAF TCEPKSRNYTYIWWLNGQSLP
 VSPRVKRP IENRILILPSVTRNETGPYQCEIRDYGGIRSNPVTNLVLYGPDLPRIYPSFTYYRSGENLD
 LSCFADSNPPAEYSWTINGKFQLSGQKLFIPQITTNHSGLYACSVRNSATGKEISKSMIVKVSETASPQV
 TYAGPNTWFQEILLL

TRTRPLE - GFP Tag - V

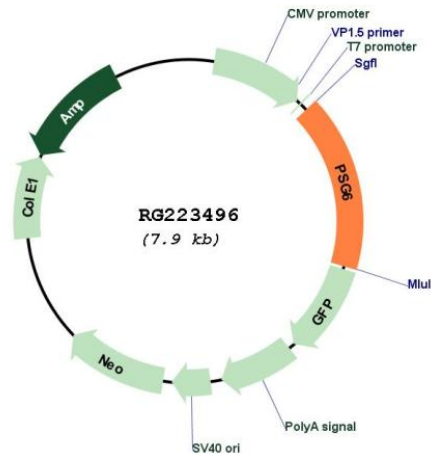
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_002782

ORF Size:	1305 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_002782.5
RefSeq Size:	1478 bp
RefSeq ORF:	1308 bp
Locus ID:	5675
UniProt ID:	Q00889
Cytogenetics:	19q13.31
Domains:	ig, IGc2, IG
Protein Families:	Secreted Protein
Gene Summary:	This gene is a member of the pregnancy-specific glycoprotein (PSG) gene family. The PSG genes are a subgroup of the carcinoembryonic antigen (CEA) family of immunoglobulin-like genes, and are found in a gene cluster at 19q13.1-q13.2 telomeric to another cluster of CEA-related genes. The PSG genes are expressed by placental trophoblasts and released into the maternal circulation during pregnancy, and are thought to be essential for maintenance of normal pregnancy. The protein encoded by this gene contains the Arg-Gly-Asp tripeptide associated with cellular adhesion and recognition. Alternative splicing results in multiple transcript variants and protein isoforms. [provided by RefSeq, Jul 2012]