

Product datasheet for **RG217726**

PSG8 (NM_182707) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSG8 (NM_182707) 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:	>RG217726 representing NM_182707 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGCTCCTCTCAGCCCTCCCTGCACACAGCGCATCACCTGGAAGGGGCTCCTGCTCACAGCATCAC
TTTTAACTTCTGGAACCCACCCAGACTGCCAAGTACAGATTGAAGCCAGCCAACCAAAGTTTCTGA
GGGAAGGATGTTCTTCTACTTGTCCACAATTTGCCCCAGAATCTTACTGGCTACATCTGGTACAAAGG
CAAATCAGGGACCTCTACCATTACATTACATCATATGTAGTAGACGGTCAAATAATTATATATGGCCCTG
CATACAGTGGACGAGAAACAATATATTCCAATGCATCCCTGCTGATCCAGAATGTCACCCAGGAAGACGC
AGGATCCTACACCTTACACATCATAATGGGAGGTGATGAGAATAGAGGAGTAAGTGGACATTTACCTTC
ACCTTATATCTGGAGACTCCCAAGCCCTCCATCTCCAGCAGCAAATTAACCCAGGGAGGCCATGGAGG
CTGTGAGCTTAACCTGTGATCCTGAGACTCCGGACGCAAGCTACCTGTGGTGGATGAATGGTCAGAGCCT
CCCTATGTCTCACAGGTTGCAGTTGTCTGAAACCAACAGGACCCTCTTTCTATTGGGTGTCAAAAGTAC
ACTGCAGGACCCTATGAATGTGAAATACGGAACCCAGTGAAGTCCAGCCGAGTGACCCATTACCCCTGA
ATCTCCTCCCGAAGCTGCCAAGCCCTACATCACCATCAACAACCTAAACCCAGGGAGAATAAGGATGT
CTTAAACTTACCTGTGAACCTAAGAGTGAGAACTACACCTACATTTGGTGGCTAAATGGTCAGAGCCTC
CGGTGAGTCCCAGGGTAAAGCGACCCATTGAAAACAGGATCCTCATTCTACCCAGTGTCACGAGAAATG
AAACAGGACCCTATCAATGTGAAATAAGGGACCAATATGGTGGCATCCGAGTTACCCAGTCAACCCTGAA
TGTCCTCTATGGTCCAGACCTCCCAAGAAATTTACCCTTACCTATTACCGTTCAGGAGAAAGTCCCTC
TACTTGTCTGTTCTGCGGACTCTAACCCACCGCACAGTATTCTGGACAATTAATGGGAAGTTTCAGC
TATCAGGACAAAAGCTCTTTATCCCCAAATTACTACAAAGCATAGCGGGCTCTATGCTTGTCTGTTTCG
TAACTCAGCCACTGGCAAGGAAAGCTCCAATCCATGACAGTAAAAGTCTCTGGTAAGCGGATCCCAGTA
TCCTTGGCAATAGGGATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG217726 representing NM_182707
 Red=Cloning site Green=Tags(s)

MGLLSAPPCTQRITWKGLLLTASLLNFWNPPPTTAQVTIEAQPTKVSEGKDVLLL VHNLPQNL TGYIWKG
 QIRDLYHYITSYVVDGQIIYGPAYSGRETIYSNASLLIQNVTQEDAGSYTLHIIMGGDENRGVTGHFTF
 TLYLETPKPSISSKLNPREAMEAVSLTCDPETPDASYLWWMNGQSLPMSHRLQLSETNRTLFLLVGVTKY
 TAGPYECEIRNPVSASRSDPFTLNLLPKLPKYITINNLKPRENKDVLNFTCEPKSENYTYIWWLNGQSL
 PVSPRVKRPIENRILILPSVTRNETGPYQCEIRDQYGGIRSYPTLVNLVYGPDLPRIYPSFTYYRSGEVL
 YLSCSADSNPPAQYSWTINGKFQLSGQKLFIPQITTKHSGLYACSVRNSATGKESKSM TVKVS GKRI PV
 SLAIGI

TRTRPLE - GFP Tag - V

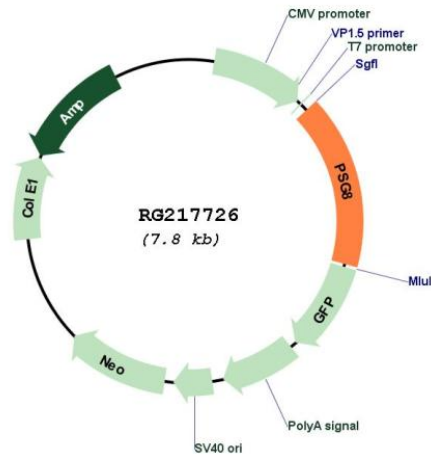
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_182707

ORF Size:	1278 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_182707.3
RefSeq Size:	1281 bp
RefSeq ORF:	1281 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]