

Product datasheet for **MG205768**

Pgbd5 (BC094384) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pgbd5 (BC094384) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pgbd5
Synonyms:	2900019M05Rik; AI854313
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205768 representing BC094384 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAGGAAGTCCAGGAGCGGTTTGGCAGTGACGGTGGCAGAGATGAAGGCCTTCTGGGCTATGTGA
TCTCCACCAGCGTCTCGCACTGTGAGTCGGTACTCAGCATTTGGAGCGGAGGCTTCTATAGCAACCGGAG
CCTTGGCCTCGTCATGAGCCAGGCCCGCTTCGAGAAAACTCTCAAGTACTTCCATGTTGTGGCCTCCGA
TCCAGCCAGACCACGCATGGGCTCTACAAGTCCAGCCCTTCTCGACTCCCTGCAGAGTGGCTTTGATG
CTGCTTTCAGGCCGTCTCAGACCAGGTGCTACATGAACCCTGATTGACGAGGACCCTGTGTTTCATTGC
CAGTGCACGGAGCGAGAGCTGCGGAAGAGGAAAAAGCGGAAATTCAGCCTGTGGGTCCGCCAGTGCCT
TCAACCGGTTTCATCATCCAGATCTACGTCACCTAAAGGAAGGTGGTGGCCAGATGGCCTGGACGCTC
TGAAGAACAAGCCACAGCTGCACAGCATGGTGGCCCGGAGCCTGTGCCGGAACCGCGGCCGAAAGAACTA
TATCATCTTACAGGGCCAGCATCACCAGCCTCAATCTGTTTGAAGAATTTGAGAAGCAAGGGATCTAC
TGCTGTGGCCTCCTCAGCTCTAGGAAGAGTGACTGCACAGGTCTCCCTCCATCCATGTTGACCAACCCTG
CCACCCACTCGCCCGGGCCAGCACCAGATCAGGACAAAGGGCAACATGTCAGTATCTGCTGGTACAA
CAAGGGGCACTCCGCTTCTGACCAACGCCTACTCCCCTGTGCAGAAAGCGTCATCATCAAGAGGAGG
AGTGGGAAATCCCCTGCCCTTGCCCGTGGAGGCTTTGGGCTCACCTCAGTACATCTGCAGATATG
ACGATAAGTACAGCAAGTATTTTCATCTCTCACAAGCCAAACAAGAGCTGGCAGCAAGTGTCTGGTTCGC
CATCAGCATCGCCGTCAACAACGCCTACATCTGTACAAAATGTCAGACGCCTACCACGTGAAGAAGTAC
AGCCGGGCACAGTTCGGAGAGAGACTTGTGAGGAGTTGCTGGGCTTGGAGGACTCATCGCCAGCCAC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205768 representing BC094384
 Red=Cloning site Green=Tags(s)

MPGSSRSGLAVTVAEMKAF LGYVISTSVSHCESVLSIWSGGFY SNRSLALVMSQARFEKILKYFHVVAFR
 SSQTTHGLYKVPFLDSLQSGFDAAFRPSQTQVLHEPLIDEDPVFIATCTERELRKRKRKFS LWVRQCS
 STGFIIQIYVHLKEGGPDGLDALKNKPKQLHSMVARSLCRNAAGKNYIIIFTGPSITSLNLFEEFEKQGIY
 CCGLLSSRKSDCTGLPPSMLTNPATPLARGQHIRTGKGNMSLICWYNGHFRFLTNA YSPVQKGVIIKRR
 SGEIPCLAVEAFAAHL SYICRYDDKYSKYFISHKPNKTWQQVWF AISAIVNNAYILYKMSDAYHVKKY
 SRAQFGERLVRELLGLEDS SPAH

TRTRPLE - GFP Tag - V

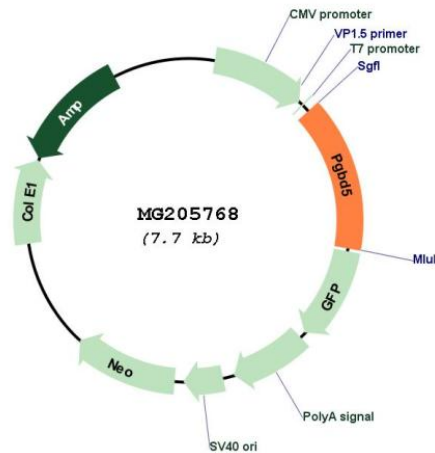
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

BC094384

ORF Size:	1121 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:	BC094384 , AAH94384
RefSeq Size:	2852 bp
RefSeq ORF:	1121 bp
Locus ID:	209966
Cytogenetics:	8 E2
Gene Summary:	The piggyBac family of proteins, found in diverse animals, are transposases related to the transposase of the canonical piggyBac transposon from the moth, <i>Trichoplusia ni</i> . This family also includes genes in several genomes that appear to have been derived from the piggyBac transposons. This gene belongs to the subfamily of piggyBac transposable element derived (PGBD) genes. The PGBD proteins appear to be novel, with no obvious relationship to other transposases, or other known protein families. The exact function of this gene is not known. [provided by RefSeq, Jul 2008]