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Product datasheet for MR205768

Pgbd5 (BC094384) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pgbd5 (BC094384) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pgbd5
Synonyms:	2900019M05Rik; AI854313
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR205768 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCAGGAAGTTCCAGGAGCGGTTTGGCAGTGACGGTGGCAGAGATGAAGGCCTTCCTGGGCTATGTGA
TCTCCACCAGCGTCTCGCACTGTGAGTCGGTACTCAGCATTTGGAGCGGAGGCTTCTATAGCAACCGGAG
CCTTGCCCTCGTCATGAGCCAGGCCCGCTTCGAGAAAATCCTCAAGTACTTCCATGTTGTGGCCTTCCGA
TCCAGCCAGACCACGCATGGGCTCTACAAGGTCCAGCCCTTCCTCGACTCCCTGCAGAGTGGCTTTGATG
CTGCTTTCAGGCCGTCTCAGACCCAGGTGCTACATGAACCCCTGATTGACGAGGACCCTGTGTTCATTGC
CACGTGCACGGAGCGAGAGCTGCGGAAGAGGAAAAAGCGGAAATTCAGCCTGTGGGTCCGCCAGTGCTCT
TCAACCGGGTTCATCATCCAGATCTACGTCCACCTAAAGGAAGGTGGTGGCCCAGATGGCCTGGACGCTC
TGAAGAACAAGCCACAGCTGCACAGCATGGTGGCCCGGAGCCTGTGCCGGAACGCGGCCGGAAAGAACTA
TATCATCTTTACAGGGCCCAGCATCACCAGCCTCAATCTGTTCGAAGAATTTGAGAAGCAAGGGATCTAC
TGCTGTGGCCTCCTCAGCTCTAGGAAGAGTGACTGCACAGGTCTCCCTCCATCCATGTTGACCAACCCTG
CCACCCCACTCGCCCGGGGCCAGCACCAGATCAGGACAAAGGGCAACATGTCACTGATCTGCTGGTACAA
CAAGGGGCACTTCCGCTTCCTGACCAACGCCTACTCCCCTGTGCAGAAAGGCGTCATCATCAAGAGGAGG
AGTGGGGAAATCCCCTGCCCTCTGGCCGTGGAGGCCTTTGCGGCTCACCTCAGCTACATCTGCAGATATG
ACGATAAGTACAGCAAGTATTTCATCTCTCACAAGCCAAACAAGACGTGGCAGCAAGTGTTCTGGTTCGC
CATCAGCATCGCCGTCAACAACGCCTACATCCTGTACAAAATGTCAGACGCCTACCACGTGAAGAAGTAC
AGCCGGGCACAGTTCGGAGAGAGACTTGTCAGGGAGTTGCTGGGCTTGGAGGACTCATCGCCAGCCCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

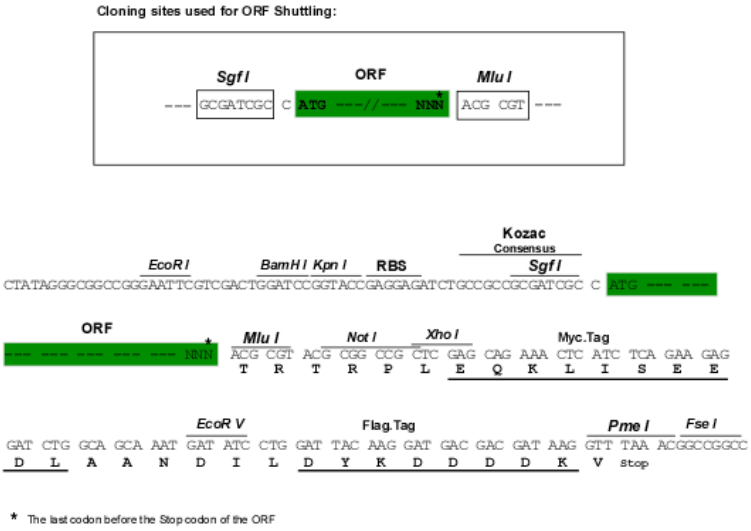
>MR205768 protein sequence
Red=Cloning site Green=Tags(s)

MPGSSRSGLAVTVAEMKAFLGYVISTSVSHCESVLSIWSGGFYSNRSLALVMSQARFEKILKYFHVVAFR
SSQTTHGLYKVQPFLDSLQSGFDAAFRPSQTQVLHEPLIDEDPVFIATCTERELRKRKKRKFSLWVRQCS
STGFIIQIYVHLKEGGGPDGLDALKNKPQLHSMVARSLCRNAAGKNYIIFTGPSITSLNLFEEFEKQGIY
CCGLLSSRKSDCTGLPPSMLTNPATPLARGQHQIRTKGNMSLICWYNKGHFRFLTNAYSPVQKGVIIKRR
SGEIPCPLAVEAFAAHLSYICRYDDKYSKYFISHKPNKTWQQVFWFAISIAVNNAYILYKMSDAYHVKKY
SRAQFGERLVRELLGLEDSSPAH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC094384

ORF Size: 1119 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:
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

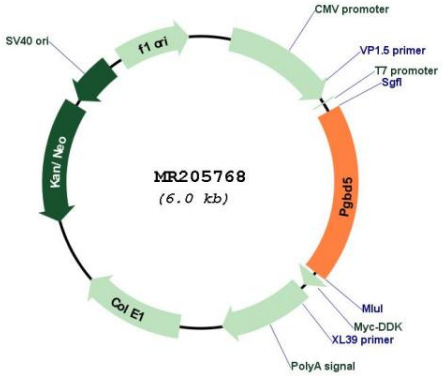
Locus ID: 209966

Cytogenetics: 8 E2

MW: 42.1 kDa

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, Trichoplusia ni. 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]

Product images:



Circular map for MR205768