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Product datasheet for MC212533

Pgbd5 (NM_171824) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pgbd5 (NM_171824) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pgbd5
Synonyms:	2900019M05Rik; AI854313
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

Fully Sequenced ORF:

>MC212533 representing NM_171824
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCACCCAGCGCTAGCGCGGTGGACTTCTTCCAGCTCTTCGTCCCGGACAACGTGCTCAAGAACATGG
TGGTACAGACCAACATGTATGCCAGGAAGTTCCAGGAGCGGTTTGGCAGTGACGGTGCCTGGGTGGAGGT
GACGTTGGCAGAGATGAAGGCCTTCCTGGGCTATGTGATCTCCACCAGCGTCTCGCACTGTGAGTCGGTA
CTCAGCATTTGGAGCGGAGGCTTCTATAGCAACCGGAGCCTTGCCCTCGTCATGAGCCAGGCCCGCTTCG
AGAAAATCCTCAAGTACTTCCATGTTGTGGCCTTCCGATCCAGCCAGACCACGCATGGGCTCTACAAGGT
CCAGCCCTTCCTCGACTCCCTGCAGAGTGGCTTTGATGCTGCTTTCAGGCCGTCTCAGACCCAGGTGCTA
CATGAACCCCTGATTGACGAGGACCCTGTGTTCATTGCCACGTGCACGGAGCGAGAGCTGCGGAAGAGGA
AAAAGCGGAAATTCAGCCTGTGGGTCCGCCAGTGCTCTTCAACCGGGTTCATCATCCAGATCTACGTCCA
CCTAAAGGAAGGTGGTGGCCCAGATGGCCTGGACGCTCTGAAGAACAAGCCACAGCTGCACAGCATGGTG
GCCCGGAGCCTGTGCCGGAACGCGGCCGGAAAGAACTATATCATCTTTACAGGGCCCAGCATCACCAGCC
TCAATCTGTTCGAAGAATTTGAGAAGCAAGGGATCTACTGCTGTGGCCTCCTCAGCTCTAGGAAGAGTGA
CTGCACAGGTCTCCCTCCATCCATGTTGACCAACCCTGCCACCCCACTCGCCCGGGGCCAGCACCAGATC
AGGACAAAGGGCAACATGTCACTGATCTGCTGGTACAACAAGGGGCACTTCCGCTTCCTGACCAACGCCT
ACTCCCCTGTGCAGAAAGGCGTCATCATCAAGAGGAGGAGTGGGGAAATCCCCTGCCCTCTGGCCGTGGA
GGCCTTTGCGGCTCACCTCAGCTACATCTGCAGATATGACGATAAGTACAGCAAGTATTTCATCTCTCAC
AAGCCAAACAAGACGTGGCAGCAAGTGTTCTGGTTCGCCATCAGCATCGCCGTCAACAACGCCTACATCC
TGTACAAAATGTCAGACGCCTACCACGTGAAGAAGTACAGCCGGGCACAGTTCGGAGAGAGACTTGTCAG
GGAGTTGCTGGGCTTGGAGGACTCATCGCCAGCCCACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Restriction Sites:	SgfI-MluI
ACCN:	NM_171824
Insert Size:	1230 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	NM_171824.2, NP_741958.1
RefSeq Size:	2854 bp
RefSeq ORF:	1230 bp
Locus ID:	209966
UniProt ID:	D3YZI9
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, 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]

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