

Product datasheet for **RR200633**

Pgbd5 (NM_001106198) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pgbd5 (NM_001106198) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pgbd5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR200633 representing NM_001106198 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCCGCCAGCGCTAGCGGGTGGACTTCTCCAGCTCTTTGTCCCGGACAACGTGCTCAAGAACATGG
TGTTGCAGACCAACATGTACGCCAGGAAGTCCAGGAGCGTTTTGGCAGTGACGGTGCCTGGGTGGAGGT
GACTGGCAGAGATGAAGGCCTCCTGGGCTACGTGATCTCTACCAGTGTCTCGCACTGTGAGTCAGTA
CTCAGCATTGGAGTGGAGGCTTCTATAGCAACCGGAGCCTCGCCCTCGTCATGAGCCAGGCGGTTTCG
AGAAGATCCTCAAGTATTTCCATGTTGTGGCCTCCGTTCCAGCCAGACCACGCACGGGCTCTACAAGGT
CCAGCCCTTTCTCGACTCCCTGCAGAGTGGCTTTGACGCTGCCTTCAGGCCATCCCAGACCCAGGTGCTA
CATGAACCCCTGATTGACGAGGACCCTGTGTTCAATTGCCACGTGCACGGAGCGAGAGCTGCCGAAGCGGA
AAAAGCGGAAATTCAGCCTGTGGTCCGCCAATGCTCTTCCAGGGCTTCATCATCCAGATCTATGTCCA
CCTAAAGGAAGGCGGCGCCCGATGGCTGGACGCTCTGAAGAACAAGCCACAGCTGCACAGCATGGT
GCCGGAGCCTGTGCCGAACCGGCTGGGAAGAACTACATCATCTTACAGGGCCAGCATCACCAGCC
TACTCTGTTTGAAGAATTTGAGAAGCAAGGCATCTACTGCTGTGGTCTCCTCAGCTCCAGGAAGAGTGA
CTGCACAGGCCTCCCTCCATCCATGCTGACCAACCCTGCCACCCACTCGCCCGGGCCAGCACCAGATC
AGGACAAAGGGTAACATGTCTCTGATCTGCTGGTACAACAAGGGGCACTCCGCTTCTGACCAACGCCCT
ACTCCCCAGTGCAGCAAGGCGTCATCATCAAGCGTCGGAGCGGGGAAATCCCCTGCCCTCTGGCCGTGGA
GGCTTTTGTGCTCACCTCAGCTACATCTGCAGATACGACGACAAGTACAGCAAGTATTTTCATCTCTCAC
AAGCCAAACAAGACATGGCAGCAAGTGTCTGGTTTGCCATCAGCATCGCCGTCAACAACGCCTACATCC
TGTACAAAATGTCAGACGCCTACCATGTGAAGAGGTACAGCCGGGCCAGTTTGGAGAGAGACTTGTGAG
GGAGCTGCTGGGCTGGAGGACGAATCACCAGCCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR200633 representing NM_001106198
Red=Cloning site Green=Tags(s)

MPPSASAVDFQFLVDPDNLKMMVVQTNMYARKFQERFGSDGAWVEVTLAEMKAFLGYVISTSVSHCESV
 LSIWSSGGFYNSRLALVMSQARFEKILKYFHVVAFRSSQTTHGLYKVQPFDSLQSGFDAFRPSQTQVL
 HEPLIDEDPVFIATCTERELRKRKRKSLWVRQCSSTGFIQIYVHLKEGGGPDGLDALKNKPQLHSMV
 ARSLCRNAAGKNYIIFTGPSITSLTFEEFEKQGIYCCGLLSSRKSDCTGLPSSMLTNPATPLARGQHQI
 RTKGNMSLICWYNKGHFRFLTNAYSVQVQGVIIKRRSGEIPCPLAVEAFAAHLSYICRYDDKYSKYFISH
 KPNKTWQQVWFVAISIAVNNAYILYKMSDAYHVKRYRAQFGERLVRELLGLEDESPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

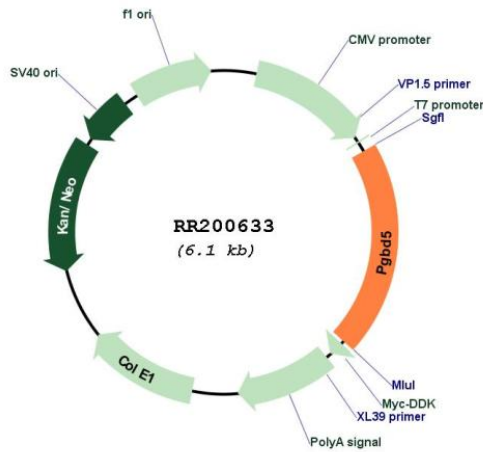
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106198

ORF Size:	1227 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_001106198.1 , NP_001099668.1
RefSeq Size:	2006 bp
RefSeq ORF:	1230 bp
Locus ID:	292098
Cytogenetics:	19q12
MW:	46.5 kDa