

## Product datasheet for MR212933

### Pgbd1 (NM\_001162920) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pgbd1 (NM_001162920) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pgbd1
Synonyms:	4921509E05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR212933 representing NM_001162920 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTCAGGAACTTTACCGCCTGCGATTCGGCACTTCTGTTACCATGAGGCAGACATATCCTCTGCAGA  
GAGGTGATGAAGCGGCGACATTACTGGAGAATCTAGCCTCGAACGTGGAGACACAGGGCAGCAGGCTAC  
TCTCTGTGCTCAGGAACAGGACATGCACCTAGTGGTGACAGAGTATCCAGGAGCCTCTATGGAGGAGTAT  
CAGAGCCTCCATCTCCTGCAGTCTTCGGTCACTCCCTGGACAAGAGACTTCCAGAGCTCCCCCTGGGAT  
GTGAGAGATCTCTACATTTACAGAGATCCAATCTGCTAAAAAGAGCCTCAAACTCCTTGTACATCTT  
CGATGTTACATCCTCAACCACTGCAGGAAATGATACTGAACTGAACAGAGATTCTCCTTCCCCCACTGAA  
AAGGCAGTCTCCACTTTGAACACTGTCCGGAGCTGCCACCCACCCCATGACTCCTGGGCCAAGATGCACA  
TTGCGTCTTGCAGTACATTACTCAGAAAGGGAGGGAAAAAGCCAAATTTAGAGTGATCGAGCTGTCCCA  
AGGCCATGCGTTTTCTGATGAGTCAGAGACAGAGGAAGACAATGAGCCTGAGGTACAGCCTGAGAGAAA  
AAGATAAAGGCATCCAGCATCCCTGAGAAGAGCTGGACCAACGAGACAGTAAGCCTAACTTTCCAAGCT  
GGTCAGCCCTGGATTCTGGACTTTTGAATCTTAAGAGTGAGAAGTTGAACCCAGTAGAGCTCTTTGAATT  
ATTTTTTGATGGTGAAACATTCAACTTGATTGTCAATGAAACCAATAATTATGCTTCTCAGAAAAATGTC  
AGCCTAGAAGTCACAGTGCAGGAAATGAGGTGTGTGTTTGGTGTCTGCTGCTGAGTGGATTTGTAAGGC  
ATCCCAGAATGGGATGTATTGGGAAATCTCTGATTCTGATCAGACCCTGGTTAGAAATGAAATTAGAAG  
GGACAGATTTGAATTAATTTTCTCATGCCTGCATTTTGCAGATAATAAGCACCTCGATCAAAAAGATAAG  
TTTTCAAATTTGAGGCCTCTCATAAAGCAAATGAAAAATTTCTCTTGTATGCCCCCTGAGGAATACT  
ATTGTTTTGACAAGTCAATGTGTGAATGCTTTGATTGTGACCAATTTCTGAATGGGAAGCCTCTTCAAAT  
TGGCTATAAAATTTGGTGTGGTACAACCTAACTACGCAAGGCTATCTGGTTTGGTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR212933 representing NM\_001162920  
Red=Cloning site Green=Tags(s)

MLRNFTACDFGTSVTMRQTYPLQRGDEAATLLENLASERGDGQQATLCAQEQDMHLVVTEYPGASMEEY  
 QSLHLLQSSVTPWTRDFPELPLGCERSLHLQRSKSAKSLKTPCYIFDVTSSTTAGNDTELNRDPSPT  
 KAVSTLNTVGSCHPPHDSWAKMHIASLQYITQKGREKAKFRVIELLQGHAFSDESETEEDNEPEVQPERK  
 KIKASSIPEKSWTKRDSKPNFSPWSALDSGLNLKSEKLNVPVELFELFFDGETFNLIVNETNNYASQKNV  
 SLEVTVQEMRCVFGVLLCSGFVRHPRMGMYWEISDSQTLVRNEIRRRDFELIFSCLHFADNKHLDQKDK  
 FSNLRPLIKQMKNFPLVCPPEEYYCFDKSMCECFDCDQFLNGKPLQIGYKIWCGTTNYARLSGLV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001162920

**ORF Size:** 1245 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:** [NM\\_001162920.1](#), [NP\\_001156392.1](#)

**RefSeq Size:** 3243 bp

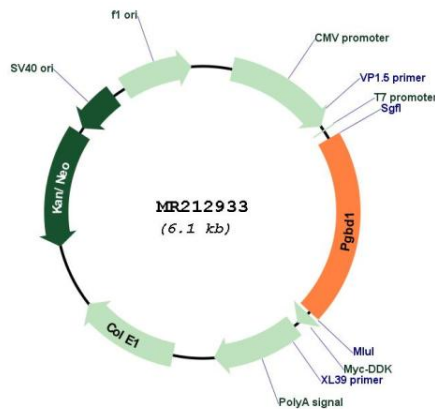
**RefSeq ORF:** 1248 bp

**Locus ID:** 319207

**Cytogenetics:** 13 A3.1

**MW:** 47.4 kDa

**Product images:**



Circular map for MR212933