

Product datasheet for **MG205581**

Pgbd1 (BC089360) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pgbd1 (BC089360) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pgbd1
Synonyms:	4921509E05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205581 representing BC089360 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGCAGACATATCCTCTGCAGAGAGGTGATGAAGCGGCGACATTACTGGAGAATCTAGCCTCGGAAC
GTGGAGACACAGGGCAGCAGGCTACTCTGTGCTCAGGAACAGGACATGCACCTAGTGGTGACAGAGTA
TCCAGGAGCCTCTATGGAGGAGTATCAGAGCCTCCATCTCCTGCAGTCTTCGGTCACTCCCTGGACAAGA
GACTTTCCAGAGCTCCCCCTGGGATGTGAGAGAGATTCTCCTTCCCCACTGAAAAGGCAGTCTCCACTT
TGAACACTGTTCGGGAGCTGCCACCCACCCCATGACTCCTGGGCAAGATGCACATTGCGTCCTTGCAGTA
CATTACTCAGAAAAGGGAGGGAAAAAGCCAAATTTAGAGTGATCGAGCTGCTCCAAGGCCATGCGTTTTCT
GATGAGTCAGAGACAGAGGAAGACAATGAGCCTGAGGTACAGCCTGAGAGAAAAGAAGATAAAGGCATCCA
GCATCCCTGAGAAGAGCTGGACCAACGAGACAGTAAGCCTAACTTTCCAAGCTGGTCAGCCCTGGATTC
TGGACTTTTGAATCTTAAGAGTGAGAAGTTGAACCCAGTAGAGCTCTTTGAATATTTTTGATGGTGAA
ACATTCAACTTGATTGTCAATGAAACCAATAATTATGCTTCTCAGAAAAATGTCAGCCTAGAAGTCACAG
TGCAGGAAATGAGGTGTGTGTTTGGTGTCTGCCTGCAGTGGATTTGTAAGGCATCCAGAATGGGGAT
GTATTGGGAAATCTCTGATTCTGATCAGACCCTGGTTAGAAATGAAATTAGAAGGACAGATTTGAATTA
ATTTTCTCATGCCTGCATTTTGCAGATAATAAGCACCTCGATCAAAAAGATAAGTTTTTCAAATTTGAGGC
CTCTCATAAAGCAAATGAAAAATTTTCTCTTGTATGCCCCCTGAGGAATACTATTGTTTTGACAAGTC
AATGTGTGAATGCTTTGATTGTGACCAATTTCTGAATGGGAAGCCTCTTCAAATTTGGCTATAAAATTTGG
TGTGGTACAATAACTACGCAAGGCTATCTGGTTGGTT

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205581 representing BC089360
 Red=Cloning site Green=Tags(s)

```
MRQTYPLQRGDEAATLLENLASERGDTGQQATLCAQEQDMHLVVTEYPGASMEEYQSLHLLQSSVTPWTR
DFPELPLGCDSPSPTEKAVSTLNTVGSCHPPHDSWAKMHIAQLQYITQKGREKAKFRVIELLQGHAFS
DESETEEDNEPEVQPERKKIKASSIPEKSWTKRDSKPNFSPWSALDSSLNLLKSEKLNPFVLFELFFDGE
TFNLIVNETNNYASQKNVSLVTVQEMRCVFGVLLCSGFVRHPRMGMYWEISDSDQTLVRNEIRRDRFEL
IFSCLHFADNKHLDQDKFNSLRPLIKQMKNFPLVCPPEEYCFDKSMCECFDCDQFLNGKPLQIGYKIW
CGTTNYARLSGLV
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC089360

ORF Size: 1091 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: [BC089360](#), [AAH89360](#)

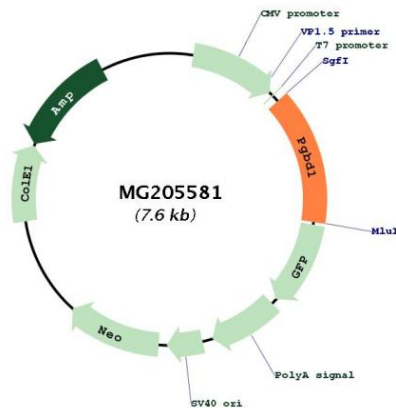
RefSeq Size: 2980 bp

RefSeq ORF: 1091 bp

Locus ID: 319207

Cytogenetics: 13 A3.1

Product images:



Circular map for MG205581