

## Product datasheet for **MG203641**

### Pitpnb (BC034676) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pitpnb (BC034676) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pitpnb
Synonyms:	PI-TP-beta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203641 representing BC034676 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGCTGATTAAGGAATTCGGTGTGGTTTTGCCGTGTTCTGTTCAAGAGTATCAGGTTGGACAGCTTT  
ACTCTGTTGCAGAAGCGAGTAAGAATGAACTGGTGGTGGAGAAGGAATCGAAGTCTGAAGAATGAACC  
TTATGAAAACGATGGCGAGAAGGGACAGTACACACACAAAATCTACCACCTGAAGAGCAAAGTTCCTGCA  
TTTGTGAGGATGATTGCTCCCGAGGGCTCCCTGGTGTTCATGAGAAAGCCTGGAATGCCTACCCCTACT  
GCAGAACAATTGTAACGAATGAATACATGAAAGATGACTTCTTCATCAAATGAAACATGCATAAACC  
TGACTTGGGAACATTAGAAAATGTTACCGTTTTAGATCCCAACACTTGGAAAACCTGTTGAAATTGTCCAC  
ATAGACATTGCAGATCGAAGTCAAGTTGAACCAGCAGACTACAAAAGCTGATGAAGACCCTGCATTATTCC  
ATTCAGTCAAGACCAAGAGAGGCCCTGGGACCTAACTGGAAGAAGGAGCTGGCAAACACCCCTGACTG  
TCCTAGGATGTGTGCCTATAAGCTGGTGACCATCAAGTCAAGTGGTGGGGGCTGCAGAGCAAAGTAGAG  
AACTTTATCCAGAAGCAAGAAAACGGATATTTACGAATTACATCGCCAGCTCTTTTGTGGATTGACA  
AGTGGATTGACCTGACAATGGAAGACATTAGGCCAATGGAGGATGAGACTCAGAAAGAACTAGAAACACT  
ACGGAGTCAAGGCCAAGTGAGGGGGACCACTGCCGCCTGTGATGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203641 representing BC034676  
 Red=Cloning site Green=Tags(s)

MVLIKEFRVVLPCSVQEYVQVQLYSVAEASKNETGGGEGIEVLKNEPYENDGEKGQYTHKIYHLKSKVPA  
 FVRMIAPEGSLVFHEKAWNAYPYCRTIVTNEYMKDDFFIKIETWHKPDGLTLENVHGLDPNTWKTVEIVH  
 IDIADRSQLVEPADYKADEDPALFHSVKTKRGPLGPNWKKELANTPDCPRMCAYKLVTIKFKWGLQSKVE  
 NFIQKQEKRIFTNLHRQLFCWIDKWIDLTMEDIIRMEDETQKELETLSQGQVVRGTS AACDD

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC034676

**ORF Size:** 818 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:** [BC034676](#), [AAH34676](#)

**RefSeq Size:** 2681 bp

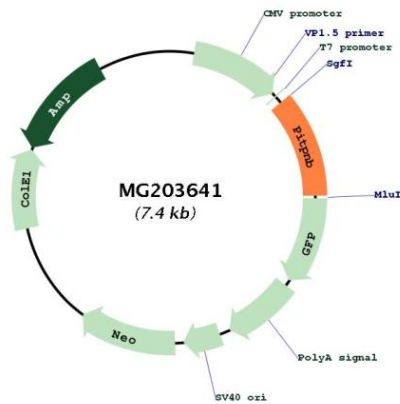
**RefSeq ORF:** 818 bp

**Locus ID:** 56305

**Cytogenetics:** 5 F

**Gene Summary:** This gene encodes a member of the phosphatidylinositol transfer protein family. The encoded protein catalyzes the transfer of phospholipids (phosphatidylinositol and phosphatidylcholine) between membranes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2014]

**Product images:**



Circular map for MG203641