

Product datasheet for **MG224376**

Pitpnb (NM_019640) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pitpnb (NM_019640) 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:	>MG224376 representing NM_019640 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGCTGATTAAGGAATTCGGTGTGGTTTTGCCGTGTTCTGTTCAAGAGTATCAGGTTGGACAGCTTT
ACTCTGTTGCAGAAGCGAGTAAGAATGAACTGGTGGTGGAGAAGGAATCGAAGTCTGAAGAATGAACC
TTATGAAAACGATGGCGAGAAGGGACAGTACACACACAAAATCTACCACCTGAAGAGCAAAGTTCCTGCA
TTTGTGAGGATGATTGCTCCCGAGGGCTCCCTGGTGTTCATGAGAAAGCCTGGAATGCCTACCCCTACT
GCAGAACAATTGTAACGAATGAATACATGAAAGATGACTTCTTCATCAAATGAAACATGCATAAACC
TGACTTGGGAACATTAGAAAATGTTACCGTTTTAGATCCCAACACTTGGAAAACCTGTTGAAATTGTCCAC
ATAGACATTGCAGATCGAAGTCAAGTTGAACCAGCAGACTACAAAAGCTGATGAAGACCCTGCATTATTCC
ATTCAGTCAAGACCAAGAGAGGCCCTGGGACCTAACTGGAAGAAGGAGCTGGCAAACACCCCTGACTG
TCCTAGGATGTGTGCCTATAAGCTGGTGACCATCAAGTTCAAGTGGTGGGGGCTGCAGAGCAAAGTAGAG
AACTTTATCCAGAAGCAAGAAAACGGATATTTACGAATTACATCGCCAGCTCTTTTGTGGATTGACA
AGTGGATTGACCTGACAATGGAAGACATTAGGCCAATGGAGGATGAGACTCAGAAAGAACTAGAAACAAT
CGCTAAGAAGGGTCCGTCCGAGGCACGTCGGCTGCTGATGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224376 representing NM_019640
 Red=Cloning site Green=Tags(s)

MVLIKEFRVVLPCSVQEYVQGQLYSVAEASKNETGGGEGIEVLKNEPYENDGEKGQYTHKIYHLKSKVPA
 FVRMIAPEGSLVFHEKAWNAYPYCRTIVTNEYMKDDFFIKIETWHKPDLTLENVHGLDPNTWKTVEIVH
 IDIADRSQLVEPADYKADEDPALFHSVKTKRGPPLGPNWKKELANTPDCPRMCAYKLVTIKFKWGLQSKVE
 NFIQKQEKRIFTNLHRQLFCWIDKWIDLTMEDIIRMEDETQKELETMRKKGSVRGTSAADA

TRTRPLE - GFP Tag - V

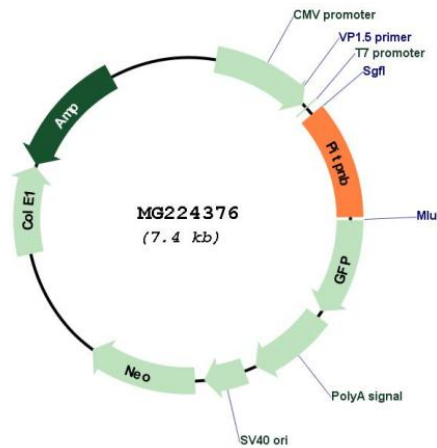
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_019640

ORF Size: 813 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_019640.5 , NP_062614.1
RefSeq Size:	2761 bp
RefSeq ORF:	816 bp
Locus ID:	56305
UniProt ID:	P53811
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]