

## Product datasheet for **MC226533**

### Pitpnb (NM\_001301666) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pitpnb (NM_001301666) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pitpnb
Synonyms:	PI-TP-beta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226533 representing NM_001301666 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGTGCTGATTAAGGAATTCGGTGTGGTTTTGCCGTGTTCTGTTCAAGAGTATCAGGTTGGACAGCTTT  
ACTCTGTTGCAGAAGCGAGTAAGAATGAACTGGTGGTGGAGAAGGAATCGAAGTCTGAAGAATGAACC  
TTATGAAAACGATGGCGAGAAGGGACAGTACACACACAAAATCTACCACCTGAAGAGCAAAGTTCCTGCA  
TTTGTGAGGATGATTGCTCCCGAGGGCTCCCTGGTGTTCATGAGAAAGCCTGGAATGCCTACCCCTACT  
GCAGAACAATTGTAACGAATGAATACATGAAAGATGACTTCTTCATCAAATGAAACATGCATAAACC  
TGACTTGGGAACATTAGAAAATGACTACAAAGCTGATGAAGACCCCTGCATTATTCCATTCAGTCAAGACC  
AAGAGAGGACCCCTGGGACCTAACTGGAAGAAGGAGCTGGCAAACACCCCTGACTGTCCTAGGATGTGTG  
CCTATAAGCTGGTGACCATCAAGTTCAAGTGGTGGGGGCTGCAGAGCAAAGTAGAGAACTTTATCCAGAA  
GCAAGAAAAACGGATATTTACGAACTTACATCGCCAGCTCTTTTGTGGATTGACAAGTGGATTGACCTG  
ACAATGGAAGACATTAGGCGAATGGAGGATGAGACTCAGAAGAAGTACGAACTACGGAGTCAAGGCC  
AAGTGAGGGGGACCAGTGGCCCTGTGATGACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001301666
Insert Size:	735 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_001301666.1, NP_001288595.1</u>
<b>RefSeq Size:</b>	2678 bp
<b>RefSeq ORF:</b>	735 bp
<b>Locus ID:</b>	56305
<b>Cytogenetics:</b>	5 F
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (4) lacks an alternate in-frame exon in the central coding region compared to variant 1. It encodes isoform 4, which is shorter compared to isoform 1.</p>