

## Product datasheet for **RC237078**

### **PITPNB (NM\_001284278) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PITPNB (NM\_001284278) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** PITPNB  
**Synonyms:** PI-TP-beta; PtdInsTP; VIB1B  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC237078 representing NM\_001284278  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGGAGATTTGTTGATGGAGAAGTGCCGTGTGGTTTTGCCATGTTCTGTTCCAGGAGTATCAGGTTGGGC  
AGCTTTACTCTGTTGCAGAAGCTAGTAAGAATGAGACTGGTGGTGGAGAAGGAATTGAAGTCTTAAAGAA  
TGAACCTTATGAGAAGGATGGAGAAAAGGGACAGTATACGCACAAAATTTATCACCTAAAGAGCAAAGTG  
CCTGCATTGCTGAGGATGATTGCTCCCGAGGGCTCCTTGGTGTTCATGAGAAAGCTGGAATGCGTACC  
CCTACTGTAGAACAATTGTAACGAATGAATATATGAAAGATGATTTCTTCATTAATAATCGAACATGGCA  
CAAACCAGACTTGGGAACATTAGAAAATGTACATGGTTTAGATCCAAACACATGGAAAACCTGTTGAAATT  
GTCCATATAGATATTGCAGATAGAAGTCAAGTTGAACCAGCAGACTACAAAGCTGATGAAGACCCAGCAT  
TATTCAGTCAGTCAAGACCAAGAGAGGCCCTTTGGGACCAACTGGAAGAAGGAGCTGGCAAACAGCCC  
TGACTGTCCCAGATGTGTGCCTATAAGCTGGTGACCATCAAATCAAGTGGTGGGGACTGCAAAGCAA  
GTAGAAAACCTTCATTCAAAAGCAAGAAAACGGATATTTACAAACTCCATCGCCAGCTTTTTTGTGGA  
TTGACAAGTGGATCGATCTCACGATGGAAGACATTAGGAGAATGGAAGACGAGACTCAGAAAGAACTAGA  
AACAAATGCGTAAGAGGGGTTCCGTTTCGAGGCACGTCGGCTGCTGATGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC237078 representing NM\_001284278  
Red=Cloning site Green=Tags(s)

MGDLLMEKCRVVLPCSVQEYVQGQLYSVAEASKNETGGGEGIEVLKNEPYEKDGEKGQYTHKIYHLKSKV  
 PAFVRMIAPEGSLVFHEKAWNAYPYCRTIVTNEYMKDDFFIKIETWHKPDGLTENVHGLDPNTWKTVEI  
 VHIDIADRSQVEPADYKADEDPALFQSVKTKRGPLGPNWKKELANSPDCPQMCAVKLVTIKFKWWGLQSK  
 VENFIQKQEKRIFTNFHRQLFCWIDKWIDLTMEDIRMEDETQKELETMRKRGSVRGTSAADV

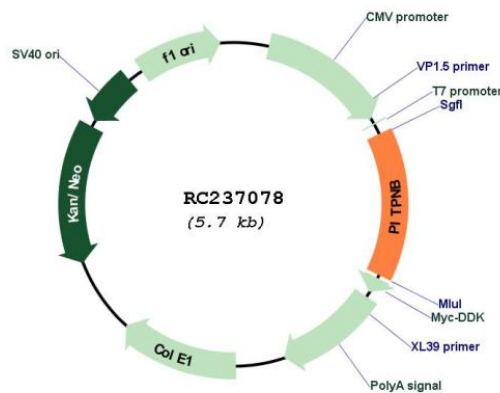
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001284278

**ORF Size:** 819 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001284278.1</a> , <a href="#">NP_001271207.1</a>
<b>RefSeq Size:</b>	2959 bp
<b>RefSeq ORF:</b>	822 bp
<b>Locus ID:</b>	23760
<b>UniProt ID:</b>	<a href="#">P48739</a>
<b>Cytogenetics:</b>	22q12.1
<b>MW:</b>	32.2 kDa
<b>Gene Summary:</b>	This gene encodes a cytoplasmic protein that catalyzes the transfer of phosphatidylinositol and phosphatidylcholine between membranes. This transfer activity is required for COPI complex-mediated retrograde transport from the Golgi apparatus to the endoplasmic reticulum. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Sep 2013]