

Product datasheet for **RC237075**

PITPNB (NM_001284277) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PITPNB (NM_001284277) 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: >RC237075 representing NM_001284277
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTGCTGATCAAGGAATTCGGTGTGGTTTTGCCATGTTCTGTTTCAGGAGTATCAGGTTGGGCAGCTTT
ACTCTGTTGCAGAAGCTAGTAAGAATGAGACTGGTGGTGGAGAAGGAATTGAAGTCTTAAGAATGAACC
TTATGAGAAGGATGGAGAAAAGGGACAGTATACGCACAAAATTTATCACCTAAAGAGCAAAGTGCCTGCA
TTCGTGAGGATGATTGCTCCCGAGGGCTCCTTGGTGTTCATGAGAAAGCCTGGAATGCGTACCCCTACT
GTAGAACAATTGTAAACGAATGAATATATGAAAGATGATTTCTTCATTAATAATCGAAAATGCGCACAAACC
AGACTTGGGAACATTAGAAAATGTACATGGTTTAGATCCAAACACATGGAAAAGTGTGAAATTGTCAT
ATAGATATTGCAGATAGAAGTCAAGTTGAACCAGCAGACTACAAAGCTGATGAAGACCCAGCATTATTCC
AGTCAGTCAAGACCAAGAGAGGCCCTTTGGGACCAACTGGAAGAAGGAGCTGGCAAACAGCCCTGACTG
TCCCCAGATGTGTGCCTATAAGCTGGTGACCATCAAATCAAGTGGTGGGACTGCAAAGCAAAGTAGAA
AACTTCATTCAAAGCAAGAAAAACGGATATTTACAAACTCCATCGCCAGCTTTTTTGTGGATTGACA
AGTGGATCGATCTACGATGGAAGACATTAGGAGAATGGAAGACGAGACTCAGAAAGAACTAGAAACATT
ACGTAATCAAGGTCAAGTGAGGGGAACAAGCGCAGCCAGTATGATGAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC237075 representing NM_001284277
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MVLIKEFRVVLPCSVQEYVQGQLYSVAEASKNETGGGEGIEVLKNEPYEKDGEKGQYTHKIYHLKSKVPA
 FVRMIAPEGLVFHEKAWNAYPYCRTIVTNEYMKDDFFIKIETWHKPDLTLENVHGLDPNTWKTVEIVH
 IDIADRSQVEPADYKAEDPALFQSVKTKRGLPNWKKELANSPDCPQMCAVKLVTIKFKWMLQSKVE
 NFIQKQEKRIFTNFRQLFCWIDKWIDLTMEDIRRMEDETQKELETLRNQGOVVRGTSASADE

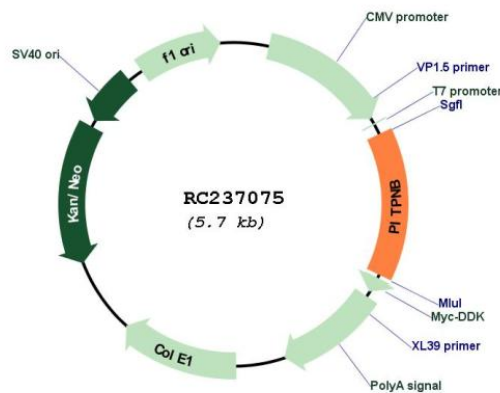
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001284277

ORF Size: 816 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_001284277.1 , NP_001271206.1
RefSeq Size:	2895 bp
RefSeq ORF:	819 bp
Locus ID:	23760
UniProt ID:	P48739
Cytogenetics:	22q12.1
MW:	32.1 kDa
Gene Summary:	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]