

Product datasheet for **SC115416**

PITPNB (NM_012399) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PITPNB (NM_012399) Human Untagged Clone
Tag:	Tag Free
Symbol:	PITPNB
Synonyms:	PI-TP-beta; PtdInsTP; VIB1B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_012399, the custom clone sequence may differ by one or more nucleotides

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ATGGTGCTGATCAAGGAATCCGTGTGGTTTTGCCATGTTCTGTTTCAGGAGTATCAGGTTGGGCAGCTTT
ACTCTGTTGCAGAAGCTAGTAAGAATGAGACTGGTGGTGGAGAAGGAATTGAAGTCTAAAGAATGAACC
TTATGAGAAGGATGGAGAAAAGGGACAGTATACGCACAAAATTTATCACCTAAAGAGCAAAGTGCCTGCA
TTCGTGAGGATGATTGCTCCCGAGGGCTCCTTGGTGTTCATGAGAAAGCCTGGAATGCGTACCCCTACT
GTAGAACAATTGTAAACGAATGAATATATGAAAGATGATTTCTTCATTAATAATCGAAACATGGCACAAC
AGACTTGGGAACATTAGAAAATGTACATGGTTTAGATCCAAACACATGGAAAACGTTGAAATTGCCAT
ATAGATATTGCAGATAGAAGTCAAGTTGAACCAGCAGACTACAAAGCTGATGAAGACCCAGCATTATTCC
AGTCAGTCAAGACCAAGAGAGGCCCTTTGGGACCCAACCTGGAAGAAGGAGCTGGCAAACAGCCCTGACTG
TCCCCAGATGTGTGCCTATAAGCTGGTGACCATCAAATCAAGTGGTGGGACTGCAAAGCAAAGTAGAA
AACTTCATTCAAAGCAAGAAAAACGGATATTTACAAACTCCATCGCCAGCTTTTTTGTGGATTGACA
AGTGGATCGATCTCACGATGGAAGACATTAGGAGAATGGAAGACGAGACTCAGAAAGAACTAGAAACAAT
GCGTAAGAGGGTTCCGTTTCGAGGCACGTCGGCTGCTGATGTCTAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012399 unedited
 GTTCACATTTGTATACGACTCCTATAGGGCGGCCGCAATTCGCACGAGGCGGGCGGGC
 GGTGGTATCGGCGGCAGCTGTGAGGGGGTCCGGGAAGATGGTGTGATCAAGGAATTCC
 GTGTGGTTTTGCCATGTTCTGTTCCAGGAGTATCAGGTTGGGCAGCTTTACTCTGTTGCAG
 AAGCTAGTAAGAATGAGACTGGTGGTGGAGAAGGAATTGAAGTCTTAAAGAATGAACCTT
 ATGAGAAGGATGGAGAAAAGGACAGTATACGCACAAAATTTATCACCTAAAGAGCAAAG
 TGCTGCATTGCGAGGATGATTGCTCCCGAGGGCTCCTTGGTGTTCATGAGAAAAGCCT
 GGAATGCGTACCCTACTGTAGAACAATTGTAACGAATGAATATATGAAAGATGATTTCT
 TCATTAATAATCGAAACATGGCACAAACCAGACTTGGGAACATTAGAAAATGTACATGGTT
 TAGATCCAAACACATGGAAAAGTGTGAAATTGCCATATAGATATTGCAGATAGAAGTC
 AAGTTGAACCAGCAGACTACAAAGCTGATGAAGACCCAGCATTATCCAGTCAGTCAAGA
 CCAAGAGAGGCCCTTTGGGACCCAAGTGAAGAAGGAGCTGGCAAACAGCCCTGACTGTC
 CCCAGATGTGTGCTATAAGCTGGTGACCATCAAATCAAGTGGTGGGACTGCAAAGCA
 AAGTAGAAAACCTCATTACAAGCAAGAAAACGGATATTTACAAACTTCCATCGCCAGC
 TTTTTTGTGGATTGACAAGTGGATCGATCTCCCGATGGAAGACATTAGGAGAATGGAAG
 ACGAGACTTCGAAAGACTAGAAAACAATGCGTTAGGAGGGTTCCGTTCCGAGCACGTCG
 GCTGCTGATGTCTAGATGAGTCCN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_012399 unedited
 ACCGCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGTGATCAAATTTATTT
 TTTGTTTAAATTTCAATTTACTTTGTTTTACTGTAATTTACACAAGAGACTGGCAAGTAAA
 CTAGGTATTTTACATTCACCACACATTCCTCAAATCTCCACAGTTGTTAGAAAAACATT
 AAAATCCATGCGCCGGGCTCTCATTTCATGTGCGCCTAAGCTCCCAATGATACTACAGA
 TGCCAGCGAGAGTTAAGTTCATTAAGGAGAGGGCTAGACTCTTTATTTACAAAATTA
 GCAATAATCTTCTCGCACCAAAACACTTTGCAGACAATGATTATGCTCTGACAAAACCTA
 TCTTACAACAGTGCCAGAGAGTAAACATCAGTCTTTATCCTGAGTACACAAAGGATGTA
 TGAAATGTGGGTTTTGTTGCTGAGGATAACAGGGTATTGCAATGCAGTAGTGATCCTACA
 CATCCTTCTTGTCTGATTCACTGAAATCACTCCAGTGGGGGAGGGATGCAGGACATGTG
 GGAAAACGAGGAGCAGGCAGGGCAGGACTGTGAGCAATCAGATTACTAATGTGATTTGA
 CTGCANGGGTTTGGCGTGTGTTTAGGAGGGACAGGAGTTACAAAAGACAGTTTGTGACCT
 GAAAGCTTCACAATATAATTCTATTCAAGCTCCAGACTGACAGAGGAAAAACTGGATTC
 AGACAGAGAAAGCTGATAAAAAATCTTACCTAGCTATTGTTCCCTTCCCTTAAATAAAAAAT
 AAAATAAAATTAAGGAGTGGCAGCCGTTTCTGACCAGCCCTCATGAATGCCTATTC
 AAAATCCTGGCCTGAGGAACGCCCTACTTGGAGAGCCCATCCAGTCAGATGGTCCCAA
 TTTCTTTGGCGGGGGCCTCCTTACCGGCACGCAGGCAAACTCACAACCTGATTTTAAACTG
 TTCCTATTTTC

Restriction Sites:

NotI-NotI

ACCN:

NM_012399

Insert Size:

3000 bp

OTI Disclaimer:

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).

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: [NM_012399.3](#), [NP_036531.1](#)

RefSeq Size: 2941 bp

RefSeq ORF: 816 bp

Locus ID: 23760

UniProt ID: [P48739](#)

Cytogenetics: 22q12.1

Domains: IP_trans

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]
Transcript Variant: This variant (sp1) encodes the shortest isoform (1).