

Product datasheet for **SC334972**

PITPNB (NM_001284278) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PITPNB (NM_001284278) Human Untagged Clone
Tag:	Tag Free
Symbol:	PITPNB
Synonyms:	PI-TP-beta; PtdInsTP; VIB1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001284278, the custom clone sequence may differ by one or more nucleotides

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ATGGGAGATTTGTTGATGGAGAAGTGCCGTGTGGTTTTGCCATGTTCTGTTCCAGGAGTATCAGGTTGGGC
AGCTTTACTCTGTTGCAGAAGCTAGTAAGAATGAGACTGGTGGTGGAGAAGGAATTGAAGCTTAAAGAA
TGAACCTTATGAGAAGGATGGAGAAAAGGGACAGTATACGCACAAAATTTATCACCTAAAGAGCAAAGTG
CCTGCATTCGTGAGGATGATTGCTCCCGAGGGCTCCTTGGTGTTCATGAGAAAGCCTGGAATGCGTACC
CCTACTGTAGAACAATTGTAACGAATGAATATATGAAAGATGATTTCTTCATTAATCGAAACATGGCA
CAAACCAGACTTGGAACATTAGAAAATGTACATGGTTTAGATCCAAACACATGGAAAACGTTGAAATT
GTCCATATAGATATTGCAGATAGAAGTCAAGTTGAACCAGCAGACTACAAAGCTGATGAAGACCCAGCAT
TATTCCAGTCAGTCAAGACCAAGAGAGGCCCTTTGGGACCAACTGGAAGAAGGAGCTGGCAAACAGCCC
TGACTGTCCCCAGATGTGTGCCTATAAGCTGGTGACCATCAAATTCAGTGGTGGGGACTGCAAAGCAAA
GTAGAAAACCTTCATTCAAAGCAAGAAAAACGGATATTTACAAACTTCCATCGCCAGCTTTTTTGTGGG
TTGACAAGTGGATCGATCTCACGATGGAAGACATTAGGAGAATGGAAGACGAGACTCAGAAAAGAACTAGA
AACAAATGCGTAAGAGGGGTTCCGTTTCGAGGCACGTCGGCTGCTGATGTCTAG
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001284278
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).



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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:	<u>NM_001284278.1</u> , <u>NP_001271207.1</u>
RefSeq Size:	2959 bp
RefSeq ORF:	822 bp
Locus ID:	23760
UniProt ID:	<u>P48739</u>
Cytogenetics:	22q12.1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (sp3) uses an alternate 5' terminal exon, and it thus differs in the 5' UTR and 5' coding region, compared to variant sp1. The encoded isoform (3) has a distinct N-terminus and is 2 aa longer than isoform 1.</p>