

Product datasheet for MC226234

Pitpnb (NM_001301644) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pitpnb (NM_001301644) 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:	>MC226234 representing NM_001301644 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTGCTCCCGAGGGCTCCCTGGTGTTCATGAGAAAGCCTGGAATGCCTACCCCTACTGCAGAACAA
TTGTAACGAATGAATACATGAAAGATGACTTCTTCATCAAAATTGAAACATGGCATAAACCTGACTTGGG
AACATTAGAAAAATGTTACGGTTTAGATCCCAACACTTGGAAAAGTGTGAAATTGTCCACATAGACATT
GCAGATCGAAGTCAAGTTGAACCAGCAGACTACAAAGCTGATGAAGACCCTGCATTATTCATTAGTCA
AGACCAAGAGAGGACCCCTGGGACCTAACTGGAAGAAGGAGCTGGCAAACACCCCTGACTGTCCTAGGAT
GTGTGCCTATAAGCTGGTGACCATCAAGTTCAAGTGGTGGGGGCTGCAGAGCAAAGTAGAGAACCTTATC
CAGAAGCAAGAAAAACGGATATTTACGAACTTACATCGCCAGCTCTTTTGTGGATTGACAAGTGGATTG
ACCTGACAATGGAAGACATTAGGCGAATGGAGGATGAGACTCAGAAAGAACTAGAAAACAATGCGTAAGAA
GGGTTCCGTCCGAGGCACGTCGGCTGCTGATGCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001301644
Insert Size:	597 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001301644.1</u> , <u>NP_001288573.1</u>
RefSeq Size:	2816 bp
RefSeq ORF:	597 bp
Locus ID:	56305
UniProt ID:	<u>P53811</u>
Cytogenetics:	5 F
Gene Summary:	<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 (3) has multiple differences, compared to variant 1. These differences result in a distinct 5' UTR, cause translation initiation at a downstream start codon, and result in a distinct 3' coding region and UTR, compared to variant 1. The encoded isoform (3) is shorter and has a distinct C-terminus, compared to isoform 1.</p>