

Product datasheet for MR228445

Pitpnb (NM_001301644) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pitpnb (NM_001301644) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pitpnb
Synonyms: PI-TP-beta
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228445 representing NM_001301644
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGATTGCTCCCGAGGGCTCCCTGGTGTTCATGAGAAAGCCTGGAATGCCTACCCCTACTGCAGAACAA
 TTGTAACGAATGAATACATGAAAGATGACTTCTTCATCAAAATTGAAACATGGCATAAACCTGACTTGGG
 AACATTAGAAAAATGTTACGGTTTAGATCCCAACACTTGGAAAAGTGTGAAATTGTCCACATAGACATT
 GCAGATCGAAGTCAAGTTGAACAGCAGACTACAAAGCTGATGAAGACCCTGCATTATTCATTCAGTCA
 AGACCAAGAGAGGACCCCTGGGACCTAACTGGAAGAAGGAGCTGGCAAACACCCCTGACTGTCTAGGAT
 GTGTGCCTATAAGCTGGTGACCATCAAGTTCAAGTGGTGGGGGCTGCAGAGCAAAGTAGAGAAGTTATC
 CAGAAGCAAGAAAAACGGATATTTACGAACTTACATCGCCAGCTCTTTTGTGGATTGACAAGTGGATTG
 ACCTGACAATGGAAGACATTAGGCGAATGGAGGATGAGACTCAGAAAGAACTAGAAAACAATGCGTAAGAA
 GGGTTCGTCGAGGCACGTCGGCTGCTGATGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228445 representing NM_001301644
 Red=Cloning site Green=Tags(s)

MIAPEGSLVFHEKAWNAYPYCRTIVTNEYMKDDFFIKIETWHKPDGLTLENVHGLDPNTWKTVIEIVHIDI
 ADRSQVEPADYKADEDPALFHSVKTKRGPLGPNWKKELANTPDCPRMCAVKLVTIKFKWGLQSKVENFI
 QKQEKRIFTNLHRQLFCWIDKWIDLTMEDIRMEDETQKELETMRKKGSVRGTSAAADA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

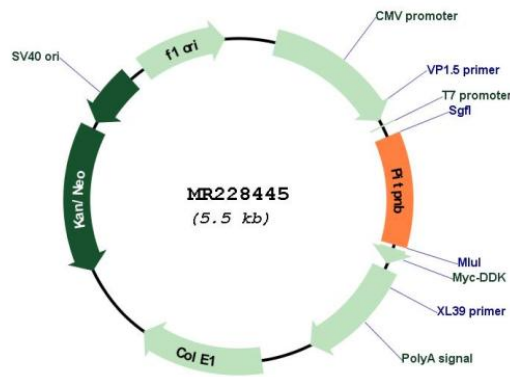
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_001301644

ORF Size: 594 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:

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_001301644.1](#), [NP_001288573.1](#)

RefSeq Size: 2816 bp

RefSeq ORF: 597 bp

Locus ID: 56305

UniProt ID: [P53811](#)

Cytogenetics: 5 F

MW: 23.7 kDa

Gene Summary: 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]