

Product datasheet for **MR228744**

Pitpnb (NM_001301666) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pitpnb (NM_001301666) 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: >MR228744 representing NM_001301666
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGCTGATTAAGGAATTCGGTGTGGTTTTGCCGTGTTCTGTTCAAGAGTATCAGGTTGGACAGCTTT
ACTCTGTTGCAGAAGCGAGTAAGAATGAACTGGTGGTGGAGAAGGAATCGAAGTCCTGAAGAATGAACC
TTATGAAAACGATGGCGAGAAGGGACAGTACACACACAAAATCTACCACCTGAAGAGCAAAGTTCCTGCA
TTTGTGAGGATGATTGCTCCCGAGGGCTCCCTGGTGTTCATGAGAAAGCCTGGAATGCCTACCCCTACT
GCAGAACAATTGTAAACGAATGAATACATGAAAGATGACTTCTTCATCAAATGAAAATGGCATAAACC
TGACTTGGGAACATTAGAAAATGACTACAAAGCTGATGAAGACCCTGCATTATTCATTCAAGTCAAGACC
AAGAGAGGACCCCTGGGACCTAACTGGAAGAAGGAGCTGGCAAACACCCCTGACTGTCCTAGGATGTGTG
CCTATAAGCTGGTGACCATCAAGTTCAAGTGGTGGGGCTGCAGAGCAAAGTAGAGAACCTTATCCAGAA
GCAAGAAAAACGGATATTTACGAACTTACATCGCCAGCTCTTTTGTGGATTGACAAGTGGATTGACCTG
ACAATGGAAGACATTAGCGGAATGGAGGATGAGACTCAGAAAGAACTAGAAACACTACGGAGTCAAGGCC
AAGTGAGGGGGACCAGTCCGGCCTGTGATGAC

ACGCGTACGCGGCCGCTCGAGCAGAAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228744 representing NM_001301666
 Red=Cloning site Green=Tags(s)

MVLIKEFRVVLPCSVQEYVQGQLYSVAEASKNETGGGEGIEVLKNEPYENDGEKGQYTHKIYHLKSKVPA
 FVRMIAPEGLVFHEKAWNAYPYCRTIVTNEYMKDDFFIKIETWHKPDGLTLENDYKADEDPALFHSVKT
 KRGPLGNWKKELANTPDCPRMCAKLVTIKFKWWGLQSKVENFIQKQEKRIFTNLHRQLFCWIDKDWL
 TMEDIRMEDETQKELETLRSQGQVRGTSAAACDD

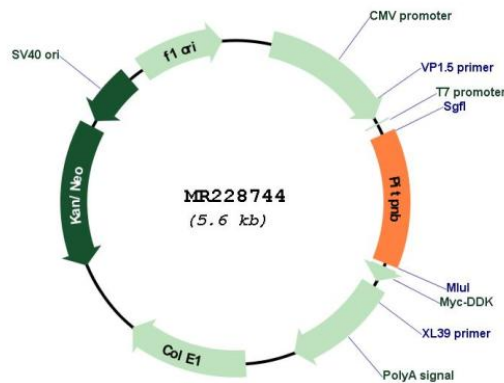
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001301666
 ORF Size: 732 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_001301666.1 , NP_001288595.1
RefSeq Size:	2678 bp
RefSeq ORF:	735 bp
Locus ID:	56305
Cytogenetics:	5 F
MW:	28.9 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]