

Product datasheet for MR228925

Pitpnb (NM_001301643) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pitpnb (NM_001301643) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pitpnb
Synonyms:	PI-TP-beta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR228925 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGCTGATTAAGGAATTCGGTGTGGTTTTGCCGTGTTCTGTTCAAGAGTATCAGGTTGGACAGCTTT
ACTCTGTTGCAGAAGCGAGTAAGAATGAACTGGTGGTGGAGAAGGAATCGAAGTCTGAAGAATGAACC
TTATGAAAACGATGGCGAGAAGGGACAGTACACACACAAAATCTACCACCTGAAGAGCAAAGTTCCTGCA
TTTGTGAGGATGATTGCTCCCGAGGGCTCCCTGGTGTTCATGAGAAAGCCTGGAATGCCTACCCCTACT
GCAGAACAATTGTAACGAATGAATACATGAAAGATGACTTCTTCATCAAATGAAACATGCATAAACC
TGACTTGGGAACATTAGAAAATGTTACCGTTTTAGATCCCAACACTTGGAAAACCTGTTGAAATTGTCCAC
ATAGACATTGCAGATCGAAGTCAAGTTGAACCAGCAGACTACAAAAGCTGATGAAGACCCTGCATTATTCC
ATTCAGTCAAGACCAAGAGAGGCCCTGGGACCTAACTGGAAGAAGGAGCTGGCAAACACCCCTGACTG
TCCTAGGATGTGTGCCTATAAGCTGGTGACCATCAAGTTCAAGTGGTGGGGGCTGCAGAGCAAAGTAGAG
AACTTTATCCAGAAGCAAGAAAACGGATATTTACGAACTTACATCGCCAGCTCTTTTGTGGATTGACA
AGTGGATTGACCTGACAATGGAAGACATTAGGCCAATGGAGGATGAGACTCAGAAAGAACTAGAAACACT
ACGGAGTCAAGCCAAGTGAGGGGACCAGTGCCGCCTGTGATGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR228925 protein sequence
 Red=Cloning site Green=Tags(s)

MVLIKEFRVVLPCSVQEYVQGQLYSVAEASKNETGGGEGIEVLKNEPYENDGEKGQYTHKIYHLKSKVPA
 FVRMIAPEGSLVFHEKAWNAYPYCRTIVTNEYMKDDFFIKIETWHKPDGLTLENVHGLDPNTWKTVEIVH
 IDIADRSQVEPADYKADEDPALFHSVTKRGPGLGPNWKKELANTPDCPRMCAKLVTIKFKWGLQSKVE
 NFIQKQEKRIFTNLHRQLFCWIDKWIDLTMEDIIRMEDETQKELETLSQGQVVRGTSAAACDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001301643

ORF Size: 819 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_001301643.1](#), [NP_001288572.1](#)

RefSeq Size: 2762 bp

RefSeq ORF: 819 bp

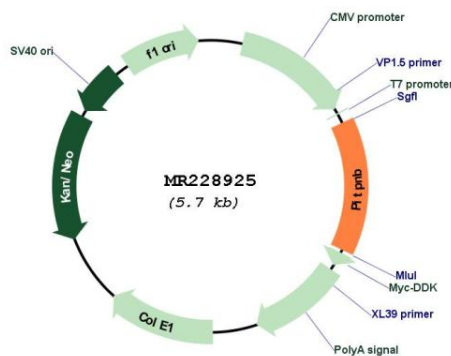
Locus ID: 56305

Cytogenetics: 5 F

MW: 31.6 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]

Product images:



Circular map for MR228925