

Product datasheet for MR224096

Pitpnc1 (NM_145823) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pitpnc1 (NM_145823) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pitpnc1
Synonyms:	1110020B03Rik; 5830436L09Rik; A1662802; A1851387; C330017I21Rik; Dnr411; rdgB-beta; RDGGB; RDGGB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224096 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGCTCAAGGAGTACCGAATCTGCATGCCGCTCACCGTGGACGAGTACAAAATCGGACAGCTGTATA
TGATCAGCAAACACAGCCATGAGCAGAGTGACCGGGGAGAAGGGGTAGAGGTCGTGCAGAACGAGCCCTT
TGAGGACCCTCACCATGGCAACGGGCAGTTCAGTGAAGCGAGTGTATCTCAACAGCAAGCTGCCTAGT
TGGGCCAGAGCTGTTGTTCCAAAATATTTTATGTGACCGAGAAGGCGTGAATTATTACCCATACACCA
TCACAGAATACACTTGTCTTCTGCCGAAATCTCCATCCACATAGAAACCAAGTATGAAGACAACAA
GGGAAGCAACGATAGTATTTTTGACAGTGAAGCCAAAGACCTCGAGAGAGAAGTGTCTTCATCGATATC
GCCTGTGATGAAATCCAGAACGCTACTACAAAGAGTCTGAGGATCCTAAACACTTCAAGTCTGAGAAGA
CAGGCCGAGGGCAGCTAAGAGAAGGCTGGCGAGACAACCATCAACCCATCATGTGCTCCTACAAGCTGGT
CACCGTCAAGTTCGAGGTGTGGGCCTTCAGACCCGAGTGAACAATTTGTGCACAGGTGGTCCGAGAC
ATCTTGCTGATTGGACACAGACAGGCCCTTTGCGTGGGTTGATGAGTGGTACGATATGACAATGGATGATG
TTCGGGAATACGAGAAAAACATGCATGAACAAACCAACATAAAAAGTTTGAATCAGCACTCCTCCACTGT
GGATGACATAGAGAGCCATGCACAGACCACTACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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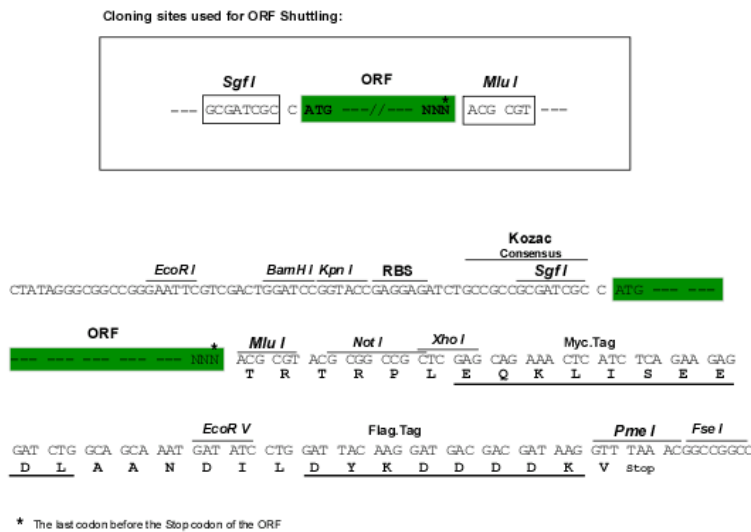
Protein Sequence: >MR224096 protein sequence
Red=Cloning site Green=Tags(s)

MLLKEYRICMPLTVDEYKIGQLYMISKHSHEQSDRGEGVEVVQNEPFEDPHHGNGQFTEKRVYLNKSLPS
 WARAVVPKIFYVTEKAWNYYPYITITEYTCFLPKFSIHETKYEDNKGSNDSIFDSEAKDLEREVCFIDI
 ACDEIPERYYYKESEDPKHFKSEKTGRGQLREGWRDNHQPI MCSYKLVTVKFEVWGLQTRVEQFVHKVVRD
 ILLIGHRQAF AWVDEWYDMTDDVREYEKNMHEQTNIKVCNQHSSTVDDIESHAQTST

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145823

ORF Size: 807 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_145823.2](#), [NP_665822.1](#)

RefSeq Size: 6350 bp

RefSeq ORF: 807 bp

Locus ID: 71795

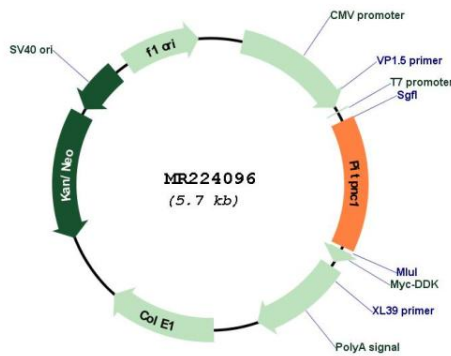
UniProt ID: [Q8K4R4](#)

Cytogenetics: 11 E1

MW: 31.8 kDa

Gene Summary: Phosphatidylinositol transfer proteins mediate the monomeric transport of lipids by shielding a lipid from the aqueous environment and binding the lipid in a hydrophobic cavity. Able to transfer phosphatidylinositol in vitro. Isoform 2 specifically binds to phosphatidylinositol but not to other phospholipids and may play a role in the phosphoinositide-mediated signaling in the neural development.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224096