

Product datasheet for MR211631

Pitpnm2 (BC070452) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pitpnm2 (BC070452) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pitpnm2
Synonyms:	NIR3, RDGBA2, mKIAA1457
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211631 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCATAAAGGAATACCGGATCCCCTGCCAATGACCGTGGATGAATACCGCATTGCCAGCTGTACA
TGATACAGAAGAAGAGCCGGAATGAGACCCACGGGCAAGGCAGCGGGGTAGAGATCCTGGAGAACC
CTACACAGACGGCCCTGGCGGCTCCGGCAATACACCCACAAGGTGTATCATGTGGGCATGCACATTCCT
GGCTGGTTTCGCTCCATCTTGCCAAAGCAGCCTTGCGGGTGGTGGAGGAGTCTGGAATGCCTACCCCT
ATACCCGAACAAGTTACCTGCCCTTTGTGGAGAAGTTCTCCATTGACATTGAAACCTTTTATAAGAC
AGACACTGGGAAAACAATAATGTGTTCAACCTGTCTCCTGTGGAAAAGAGCCAGCTGATAACAGACATC
ATCGACATCGTCAAGGATCCTGTGCCCCCAAGTATAGACAGAAGAAGACCCCAAGCTGTTCCAGT
CAGTCAAGACTTGCCGGGACCTCTTTCTGAAAAGTGGATTGAGGAGTACAAGAAGCGGCTCCTCCCAT
CATGTGCGCCTACAAGCTCTGCAAGGTGGAGTCCGATACTGGGGCATGCAGTCCAAGATTGAAAGGTT
ATCCATGACACAGGTCTGCGCGGGTGTGGTGGAGGCCACCGGAGGCTGGTGTGGCAGGACGAGT
GGTACGGACTGACCATGGAGAAAATCCGAGAGCTGGAGAGGGAGGTGCAGCTCATGCTGTCCGCAAAAT
GGCCAGTTTTTCGAGGAAGGCCCTCAGAAGTAAAGCAAGGACAGTGCACCAAGGACCAGGCATCTGGA
ACAACCTCTGATCCTGGCAGCAAAAACGGGGAGCCTCTGGGGCGGGCCTGAAGAAGCAGTGGTCCACCT
CCTCCAAGTCTCAAGTCTCAAGCGGGAGCCAGCCCTCCCGACATAGCATCTCAGAGTGGAGGAT
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TGACAGAGGAAAAACAAGCAAGGACATGACCAAGTGGAACTCAACGACCTCATGGACAAAATGGAGA
GTCCGGAGCCTGAGGAATCACAAGATGAAATCTACCAGCAGAGTGGCTCTGAGTTCAGGGTGGCCTCCAG
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GTGCTGCTGCTGGTGTGCATGGAGGCACCATCTGGACTGGAGCGGGGACCCAGCTCCAAGCAGG
GGGACCAATACTATCACAACGTGTTGACACCGTGCATGCGCTGCACACTACCCAGTGCCTAGGCCA
CCTAGCCATCCGCTGGTGCCTGCCACCCATCTGTGCTGATGCCTTCGCCCTGCTCCAACCTCAGT



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CCCTATGGCCATGATGAGGGCTGTCTGTCTAGCAGCCAGGACCACATCCCCCTAGCTGCCCTGCCCTGC
 TGGCCACTTCTCACCCAGTACCAGGAGGCAGTTGCTACAGTGATTACAGCGGGCAACCTGGCCTACGG
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 GTGGCATGGTGGCTCAGCACAATTTCCCTCATGGTGTGGTGTCTTCTGTGATGGCCTGGTGCACGACC
 CACTGCGCCACAAGGCTAACTTCTGAAGCTGCTCATCTCTGAGCTTACCTGCGCGCACATGCGGCCTA
 CGGCTCCACGAAGGATGTGCGAGTCTATAACTCCATCAGCCTCTCTCCATGCACATCTACATTGGGGC
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 AGTGGGCCAGCCATCGGCACGATCGGACACAGACCCAGATGGACAGCAGCAGCGGGGCCAGCGCAGCA
 TGAGCGTGGCAGCCAGCTGCTGGGGCCAGCCATGGCAGGCCGGCTTGAACCAGGGGCAGCCACGGGACC
 CAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211631 protein sequence
 Red=Cloning site Green=Tags(s)

MIKEYRIPLPMTVDEYRIAQLYMIQKKSERNETHGQSGVEILENRPYTDGPGGSGQYTHKVVHVMHPI
 GWFRSILPKAALRVVEESWNAYPYTRTRFTCPFVEKFSIDIETFYKTDGTENNNVFNLSPEVKSQILTDI
 IDIVKDPVPPSEYKTEEDPKLFQSVKTCRGLSENWIEYKRRLLPIMCAYKLCKVEFRYWMQSKIERF
 IHDTGLRRVMVRAHRQAWCWQDEWYGLTMEKIRELEREVQLMLSRKMAQFSEEGPSELKDSATKDQASG
 TSDPGSKNGEPLGRGLKQWSTSSKSSRSKRGASPSRHSISEWRMQSIARDSDEGSEEEFFDAHENLY
 CTEEKQAKDMTKWNSNDLMDKMEPEPEESQDEIYQQSGSEFRVASSLEQLNIEDEVSQPLAAPPKSIH
 VLLLVLHGGTILDGAGDPSSKQGDNTITNVFDTVMRVHYPYALGHLAIRLVPCPPICADAFALVSNLS
 PYGHDEGLSSSQDHIPLAALPLLATSSPQYQEAVATVIQRANLAYGDFIKSQEGVTFNGQVCLIGDCVG
 GILAFDALCYSQPVSSESQSSSLPPFSIPRYQRYPLGDGCSTLLADVLQTHNTVFQEAHAPSSPGTAPAG
 RGFRRASEISIASQVSGMAESYASSIAQIAAKWWGQKRIDYALYCPDALTAFTVALPHLFHASYWEST
 DVVSFLLRQVMRHDSSSILELDGKEVSFVTPSQPRERWQRKRTHVKLNRVAANHRINDAVANEDGPQVVT
 GRFMYGPLDMVTLTGEKVDVHIMTQPPSGEHLHDLTLVTNSSGRVSYTIPETHRLGVGVYPIKMMVVRGDH
 TFADSYITVLPRTGTEFVVFSDIGSFAASVIMGSDPKVRAGAVDVVRHWQDLGYLIIYVTGRPDMQQRV
 VAWLAQHNFPHGVVFCDGLVHDPRLRHKANFLKLLISELHLRAHAAYGSTKDVAVYNSISLSPMHYIVG
 RPTKKLQQQCQFITDGYAAHLAQLKYNHRARPARNTATRMALRKGSGFLPGQSDFLRSRNHLLRTISAQP
 SGPSHRHDRTQTQMDSEQRGQRSMSVAASCWGRAMAGRLEPGAATGPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC070452

ORF Size: 3294 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: [BC070452](#), [AAH70452](#)

RefSeq Size: 6235 bp

RefSeq ORF: 3296 bp

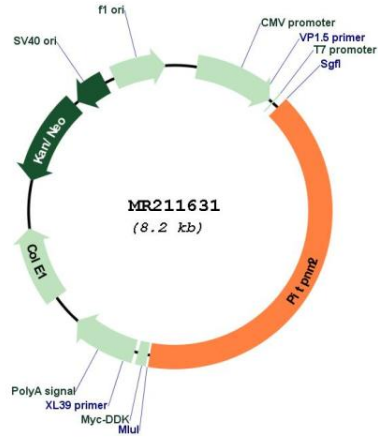
Locus ID: 19679

Cytogenetics: 5 63.39 cM

MW: 122.6 kDa

Gene Summary: Catalyzes the transfer of phosphatidylinositol and phosphatidylcholine between membranes (in vitro). Binds calcium ions (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211631