

Product datasheet for **MG211631**

Pitpnm2 (BC070452) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pitpnm2 (BC070452) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pitpnm2
Synonyms:	NIR3, RDGBA2, mKIAA1457
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211631 representing BC070452 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCATAAAGGAATACCGGATCCCCTGCCAATGACCGTGGATGAATACCGCATTGCCAGCTGTACA
TGATACAGAAGAAGAGCCGGAATGAGACCCACGGGCAAGGCAGCGGGGTAGAGATCCTGGAGAACCAGCC
CTACACAGACGGCCCTGGCGGCTCCGGCAATACACCCACAAGGTGTATCATGTGGGCATGCACATTCCT
GGCTGGTTTCGCTCCATCTTGCCAAAGCAGCCTTGCGGGTGGTGGAGGAGTCTGGAATGCCTACCCCT
ATACCCGAACAAGTTACCTGCCCTTTGTGGAGAAGTTCTCCATTGACATTGAAACCTTTTATAAGAC
AGACACTGGGAAAACAATAATGTGTTCAACCTGTCTCCTGTGGAAAAGAGCCAGCTGATAACAGACATC
ATCGACATCGTCAAGGATCCTGTGCCCCCAAGTATAGACAGAAGAAGACCCCAAGCTGTTCCAGT
CAGTCAAGACTTGCCGGGACCTCTTTCTGAAAAGTGGATTGAGGAGTACAAGAAGCGGCTCCTCCCAT
CATGTGCGCCTACAAGCTCTGCAAGGTGGAGTTCGGATACTGGGGCATGCAGTCCAAGATTGAAAGGTTT
ATCCATGACACAGGTCTGCGCGGGTGTGGTGGAGGGCCACCGGAGGCTGGTGTGGCAGGACGAGT
GGTACGGACTGACCATGGAGAAAATCCGAGAGCTGGAGAGGGAGGTGCAGCTCATGTGTCCCGAAAAT
GGCCAGTTTTTCGGAGGAAGGCCCTCAGAAGTAAAGCAAGGACAGTGCACCAAGGACCAGGCATCTGGA
ACAACCTCTGATCCTGGCAGCAAAAACGGGGAGCCTCTGGGGCGGGCCGAAGAAGCAGTGGTCCACCT
CCTCCAAGTCTCAAGTCTCAAGCGGGAGCCAGCCCTCCCGACATAGCATCTCAGAGTGGAGGAT
GCAGAGTATCGCCAGGACTCCGACGAAGGCTCGGAAGAGGAGTTCTTCGATGCACATGAGAACCTGTAC
TGACAGAGGAAAAACAAGCAAGGACATGACCAAGTGGAACTCCAACGACCTCATGGACAAAATGGAGA
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GGGACCAATACTATCACAACGTGTTGACACCGTGCATGCGCTGCACACTACCCAGTGCCTAGGCCA
CCTAGCCATCCGCTGGTGCCTGCCACCCATCTGTGCTGATGCCTTCGCCCTGCTCCAACCTCAGT



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CCCTATGGCCATGATGAGGGCTGTCTGTCTAGCAGCCAGGACCACATCCCCCTAGCTGCCCTGCCCTGC
 TGGCCACTTCTCACCCAGTACCAGGAGGCAGTTGCTACAGTGATTACAGCGGGCCAACCTGGCCTACGG
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 TGAGCGTGGCAGCCAGCTGCTGGGGCCGAGCCATGGCAGGCCGGCTTGAACCAGGGGCAGCCACGGGACC
 CAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG211631 representing BC070452
 Red=Cloning site Green=Tags(s)

MIKEYRIPLPMTVDEYRIAQLYMIQKKSRETHGQSGVEILENRPYTDGPGGSGQYTHKVVYHVMHPI
 GWFRSILPKAALRVVEESWNAYPYTRTRFTCPFVEKFSIDIETFYKTDGTENNVFNLSPVEKSQLITDI
 IDIVKDPVPPSEYKTEEDPKLFQSVKTCRGLSENWIEYKRRLLPIMCAYKLCCKVEFRYWGMSKIERF
 IHDTGLRRVMRAHRQAWCWQDEWYGLTMEKIRELEREVQLMLSRKMAQFSEEGPSELKSDSATKDQASG
 TSDPGSKNGEPLGRGLKQWSTSSKSSRSKRGASPSRHSISEWRMQSIARDSDEGSEEEFFDAHENLY
 CTEEKQAKDMTKWNSNDLMDKMSPEPEESQDEIYQSGSEFRVASSLEQLNIIIEDEVSQPLAAPPKIH
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 PYGHDEGLSSSQDHIPLAALPLLATSSPQYQEAATVIQRANLAYGDFIKSQEGVTFNGQVCLIGDCVG
 GILAFDALCYSQGPVSESQSSSLPPFSIPRYQRYPLGDGCTLLADVLQTHNTVFQEAHAPSSPGTAPAG
 RGFRRASEISIASQVSGMAESYTASSIAQIAAKWWGQKRIDYALYCPDALTAFTVALPHLFHASYWEST
 DVVSFLLRQVMRHDSSSILELDGKEVSFVTPSQPRERWQRKRTHVKLNRVAANHRINDAVANEDGPQVVT
 GRFMYGPLDMVTLTGEKVDVHIMTQPPSGEHLHDLTLVTNSSGRVSYTIPETHRLGVGVPIKMVVRGDH
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 VAWLAQHNFPHGVVSCDGLVHDPLRHKANFLKLLISELHLRAHAAYGSKDVAVYNSISLSPMHYIVG
 RPTKKLQQQCQFITDGYAAHLAQLKYNHRARPARNTATRMALRKGSFGLPGQSDFLRSRNLHLLRTISAQ
 SGPShRHRTQTQMDSEQRGQRSMSVAASCWGRAMAGRLEPGAATGPK

TRTRPLE - GFP Tag - V

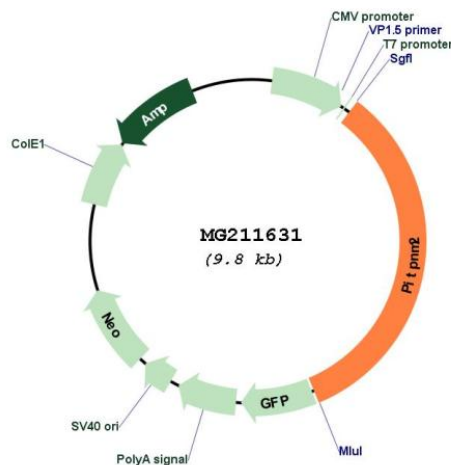
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC070452

ORF Size: 3296 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:	<u>BC070452</u> , <u>AAH70452</u>
RefSeq Size:	6235 bp
RefSeq ORF:	3296 bp
Locus ID:	19679
Cytogenetics:	5 63.39 cM
Gene Summary:	Catalyzes the transfer of phosphatidylinositol and phosphatidylcholine between membranes (in vitro). Binds calcium ions (By similarity).[UniProtKB/Swiss-Prot Function]