

Product datasheet for **RG206084**

PIP4P2 (NM_018710) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIP4P2 (NM_018710) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PIP4P2
Synonyms:	TMEM55A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206084 representing NM_018710 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCTGATGGGGTGGACGAACGCTCGCCTCTGCTGTCAGCATCCCACTCCGGAAATGTCACCTCCCA
CCGCCACCCTACTTGAAGAAAGCAGCCCCAGAGCGGAGCTCCACCTCCATATACAGCCATTGCCAG
TCCAGACGCCAGTGGTATTCCAGTAATAAACTGCCGTGTGTGCCAATCACTAATCAATTTGGATGGCAAG
CTTCACCAGCATGTGGTTAAGTGCACAGTTTGAATGAAGCTACGCCAATCAAAAACCCCAACAGGCA
AGAAATATGTTAGATGCCCTTGAATTGCTTTCTCATTTGTAAGGACACATCTCGGCGAATAGGATGCC
AAGACCCAAGTGTAGACGATAATTAACCTTGGCCAGTAATGCTTATTCTGAAGAACAACCAGCTCAG
CCTGCATTGCCAATCCAACCAGAAGGTACAAGGTCGTGTGGGCACTGTGAAACACATTCTGTGGA
TGGAAGTGAAGTTCAACACTCTGGCAAAATGCCACACTGCAAAAAAATCTCCTCAGTGGGTAGTGCAC
TCCACGAAGACGCTGCTGTGCATATATTACATTGGAATGATATGATTTTCATTGGAGTTGGGTTAACT
GTTGGACCCAGATTTTGAAGGCGATTTGAGCAACCTATGTTTCTGGGCAATTGCTTATCTCCTAG
GATTGATCTGCCTTATCCGAGCTTGTATTGGGGAGCCATAAGAGTCAGTTATCCAGAACACAGTTTTGC
A

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206084 representing NM_018710
Red=Cloning site Green=Tags(s)

MAADGVDEERSPLLSASHSGNVTPTAPPYLQESSPRAELPPPYTAIASPDASGIPVINCRVCQSLINLDGK
 LHQHVVKCTVCNEATPIKNPPTGKKYVRCPCNCLLICKDTSRRIGCRPNCRRIINLGPVMLISEEQPAQ
 PALPIQPEGTRVVCGHCGNTFLWMLRFNTLAKCPHCKKISSVGSALPRRCCAYITIGMICIFIGVGLT
 VGTPDFARRFRATYVSWAIAYLLGLICLIRACYWGAIKRVSYPEHSFA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018710

ORF Size: 771 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_018710.3](#)

RefSeq Size: 2266 bp

RefSeq ORF: 774 bp

Locus ID: 55529

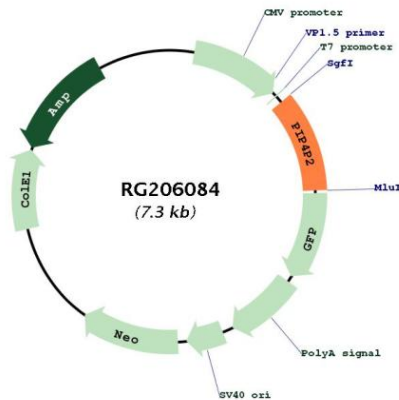
UniProt ID: [Q8N4L2](#)

Cytogenetics: 8q21.3

Protein Families: Transmembrane

Gene Summary: TMEM55A catalyzes the degradation of phosphatidylinositol 4,5-bisphosphate (PtdIns-4,5-P2) by removing the 4-phosphate (Ungewickell et al., 2005 [PubMed 16365287]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG206084