

Product datasheet for **RC206084**

PIP4P2 (NM_018710) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIP4P2 (NM_018710) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PIP4P2
Synonyms:	TMEM55A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC206084 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCTGATGGGGTGGACGAACGCTCGCCTCTGCTGTCAGCATCCCCTCCGAAATGTCACCTCCCA
CCGCCACCCTACTTGAAGAAAGCAGCCCCAGAGCGGAGCTCCCACCTCCATATACAGCCATTGCCAG
TCCAGACGCCAGTGGTATTCCAGTAATAAACTGCCGTGTGTGCCAATCACTAATCAATTTGGATGGCAAG
CTTCACCAGCATGTGGTTAAGTGCACAGTTTGAATGAAGCTACGCCAATCAAAAACCCCAACAGGCA
AGAAATATGTTAGATGCCCTTGAATTGCTTTCTCATTGTAAGGACACATCTCGGCGAATAGGATGCC
AAGACCAACTGTAGACGATAATTAACCTTGGCCAGTAATGCTTATTCTGAAGAACAACCAGCTCAG
CCTGCATTGCCAATCCAACCAGAAGGTACAAGGTCGTGTGGGCACTGTGAAACACATTCTGTGGA
TGGAAGTGAAGTTCAACTCTGGCAAAATGCCACACTGCAAAAAATCTCCTCAGTGGGTAGTGCAC
TCCACGAAGACGCTGCTGTGCATATATTACATTGGAATGATATGATTTTCATTGGAGTTGGGTTAACT
GTTGGACCCAGATTTTGAAGGCGATTTGAGCAACCTATGTTTCTGGGCAATTGCTTATCTCCTAG
GATTGATCTGCCTTATCCGAGCTTGTATTGGGGAGCCATAAGAGTCAGTTATCCAGAACACAGTTTGC
A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC206084 protein sequence
 Red=Cloning site Green=Tags(s)

MAADGVDERSPLLSASHSGNVTPTAPPYLQESSPRAELPPPYTAIASPDASGIPVINCRVCQSLINLDGK
 LHQHVVKCTVCNEATPIKNPPTGKKYVRCPCNCLLICKDTSRRIGCPRNCRRIINLGPVMLISEEQPAQ
 PALPIQPEGTRVVCVCGHCNTFLWMLRFNTLAKCPHCKISSVGSALPRRCCAYITIGMICIFIGVGLT
 VGTPDFARRFRATYVSWAIAYLLGLICLIRACYWGAIKRSYVPEHSFA

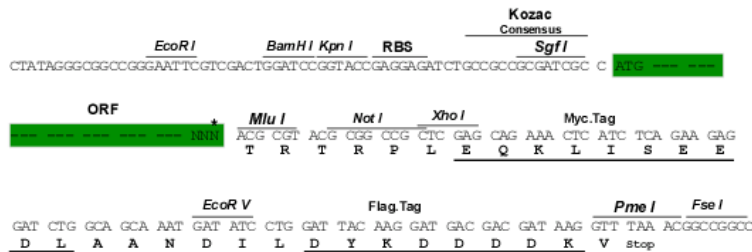
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6072_b10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_018710

ORF Size: 771 bp

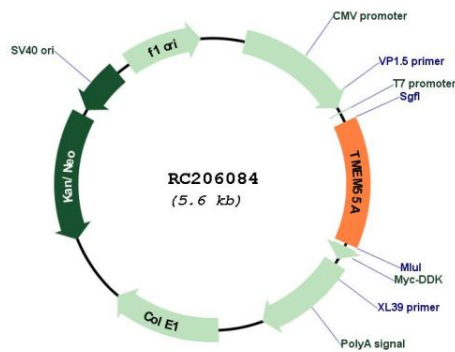
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

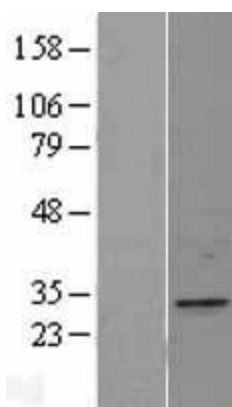
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<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:	NM_018710.3
RefSeq Size:	2420 bp
RefSeq ORF:	774 bp
Locus ID:	55529
UniProt ID:	Q8N4L2
Cytogenetics:	8q21.3
Protein Families:	Transmembrane
MW:	28.1 kDa
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 RC206084



Western blot validation of overexpression lysate (Cat# [LY402708]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206084 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).