

Product datasheet for **RG205440**

PIP4P1 (NM_144568) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	PIP4P1
Synonyms:	C14orf9; TMEM55B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG205440 representing NM_144568
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCAGATGGAGAGCGTTCCCGCTGCTGTCTGAGCCCATCGACGGTGGCGCGGGCGGCAACGGTT
TAGTGGGGCCCGCGGGAGTGGGGCTGGGCGCGGGGAGGCCTGACCCCTCCGCACCAACCGTACGGAGC
CGCATTTCCCGGTTTCCCGAGGGGCATCCAGCCGTGTTGCCTGGGAGGAGCCACCCCTATTACCC
TTAACTAGCCCGGACAGTGGGAGTGCCCTATGATCACCTGCCGAGTCTGCCAATCTCTCATCAACGTGG
AAGGCAAGATGCATCAGCATGTAGTCAAAATGTGGTGTCTGCAATGAAGCCACCCCAATCAAGAATGCACC
CCCAGGGAAAAATATGTTGATGCCCTGTAACCTGTCTCTTATCTGCAAAGTGACATCCCAACGGATT
GCATGCCCTCGGCCCTACTGAAAAGAATCATCAACCTGGGGCCTGTGCATCCCGGACCTCTGAGTCCAG
AACCCCAACCATGGGTGTGAGGTTATCTGTGGACATTGCAAGAATACTTTCTGTGGACAGAGTTCAC
AGACCGCACTTTGGCAGTTGTCCTCACTGCAGGAAAGTGTATCTATTGGGCGCAGATACACACGTAAG
AGATGTATCTGCTGCTTCTTGGCTTGGCTTTTGGCAGTCACTGCCACTGGCCTTGCCTTTGGACAT
GGAAGCATGCACGGCGATATGGAGGCATCTATGCAGCCTGGGCAATTTGTATCTGTTGGCTGTGCTGTG
TTTGGCCGGGCTCTTTATTGGGCTGTATGAAGGTGAGCCACCTGTCCAGAACTTCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG205440 representing NM_144568
 Red=Cloning site Green=Tags(s)

MAADGERSPLLSEPIDGGAGGNGLVPGGSGAGPGGGLTPSAPPYGAAPFPFEGHPAVLPGEDPPPYSP
 LTSPDSGSAPMITCRVCQSLINVEGKMHQHVVKCGVCNEATPIKNAPPGKKYVRPCNCLLICKVTSQRI
 ACPRPYCKRIINLGPVHPGPLSPEPQPMGVRVICGHCKNTFLWTEFTDRTLARCPHCRKVSSI GRRYTRK
 RCICCFLLGLLLAVTATGLAFGTWKHARRYGGIYAAWAFVILLAVLCLGRALYWACMKVSHPVQNF S

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_144568

ORF Size: 831 bp

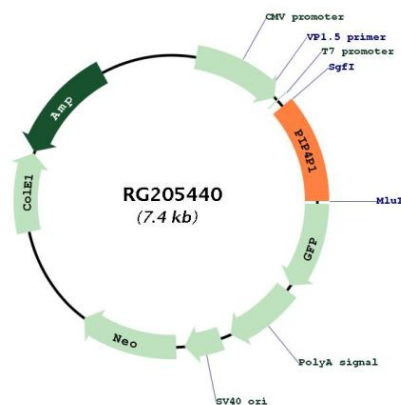
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_144568.1, NP_653169.1</u>
RefSeq Size:	1701 bp
RefSeq ORF:	834 bp
Locus ID:	90809
UniProt ID:	<u>Q86T03</u>
Cytogenetics:	14q11.2
Protein Families:	Transmembrane
Gene Summary:	TMEM55B 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 RG205440