

Product datasheet for SC120728

PIP4P1 (NM_144568) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIP4P1 (NM_144568) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIP4P1
Synonyms:	C14orf9; TMEM55B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC120728 sequence for NM_144568 edited (data generated by NextGen Sequencing) <pre> ATGGCGGCAGATGGAGAGCGTTCCCGCTGCTGTCTGAGCCCATCGACGGTGGCGCGGGC GGCAACGGTTTAGTGGGGCCCGCGGGAGTGGGGCTGGGCCCGGGGAGGCCTGACCCCC TCCGACCAACCGTACGGAGCCGATTTCCCGCTTTCCCGAGGGGCATCCAGCCGTGTTG CCTGGGGAGGACCCACCCCTATTACCCCTAACTAGCCCGACAGTGGGAGTGCCCT ATGATCACCTGCCGAGTCTGCCAATCTCTCATCAACGTGGAAGGCAAGATGCATCAGCAT GTAGTCAAATGTGGTGTCTGCAATGAAGCCACCCCAATCAAGAATGCACCCCAAGGAAA AAATATGTTTCGATGCCCTGTAAGTGTCTCCTTATCTGCAAAGTGACATCCCAACGGATT GCATGCCCTCGTCCCTACTGAAAAGAATCATCAACCTGGGGCCTGTGCATCCCGGACCT CTGAGTCCAGAACCCCAACCATGGGTGTCAGGGTTATCTGTGGACATTGCAAGAATACT TTTCTGTGGACAGAGTTCACAGACCGCACTTTGGCACGTTGTCCTCACTGCAGGAAAGTG TCATCTATTGGGCGCAGATACCCACGTAAGAGATGTATCTGCTGCTTCTTGCTTGCTTG CTTTTGGCAGTCACTGCCACTGGCCTTGCCCTTTGGCACATGGAAGCATGCACGGCGATAT GGAGGCATCTATGCAGCCTGGGCATTTGTATCCTGTTGGCTGTGCTGTGTTGGGCCGG GCTCTTTATTGGGCCTGTATGAAGGTCAGCCACCCTGTCCAGAACTTCTCCTGA </pre>

Clone variation with respect to NM_144568.2

432 g=>t



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_144568 unedited
 GATTTTGTAAACGACTTACTATAGGGCGGCCGGAATTCGGCACGAGGGCGCGCAGGCG
 CCCTGGGGACCCGGTAGCGGGTGGCGGTGGCGGCGGTGGCGGTGGCTGCGGCGACGGC
 AGAGGCGAAGGGAGCCGATCGCCGACCTGAGCGGGAGGCGGGTGGCGGCCATGGCGG
 CAGATGGAGAGCGTTCCCGCTGCTGTCTGAGCCCATCGACGGTGGCGCGGGCGGCAACG
 GTTTAGTGGGGCCCGCGGGAGTGGGGCTGGGCGGGGGAGGCTGACCCCTCCGCAC
 CACCGTACGGAGCCGATTTCCTCCGTTTCCCGAGGGGCATCCAGCCGTGTTGCCTGGGG
 AGGACCCACCCACCTATTACCCCTTAAGTACCCCGGACAGTGGGAGTGCCCTATGATCA
 CCTGCCGAGTCTGCCAATCTCTCATCAACGTGGAAGGCAAGATGCATCAGCATGTAGTCA
 AATGTGGTGTCTGCAATGAAGCCACCCCAATCAAGAATGCACCCCGAGGAAAAAATATG
 TTCGATGCCCCTGTAAGTGTCTCCTTATCTGAAAGTGACATCCCAACGGATTGCATGCC
 CTCGTCCCTACTGCAAAAGAATCATCAACCTGNGGCCTGTGCATCCCGGACCTCTGAGTC
 CAGAACCCCAACCCATGGGTGTCAGGGTATCTGTGGACATTGCAAGAATACTTTTCTGT
 GGACAGAGTTCACAGACCGCACTTTGGCACGTTGTCTCACTGCANGAAAGTGCATCTA
 TTGGGCGCAGATACCCACGTAAGAGATGTATCTGCTGCTTCTTGCTTGGCTTGGTTTGGC
 AGTCACTGCCACTGGCCTTGCCTTTGGCACATGGAAGCATGCACNGCGATATGGNAGCAT
 CTATGCAGCCTGGGGCATTGTATCCTGTTGGCTGTGCTGTGTTTGGGCCGGCTCTTTA
 TGGGCTGTTTGAAGTCAGCCACCTGTCCANAACCTCTCCTGAAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_144568 unedited
 NAAAATCTGNACCGCGCCGAATCTANNGATCGGTTTTTTTTTTTTTTTTTAAAGTCA
 TGACCTTATTTATTTACAAGCACAGGATAAGTCCCTAACCTCCCCAAAAAAGTGAAGCAAC
 CCTACCCAGCCAGTTAAATACTGCAACTGGGGGGGTAAAAAGGTGCGGAGGAGGAATT
 AAGGGAAATACAGGAATAGGGGAACATATCCACATTAATAGTTATATACACATCAGTT
 CCTGTGGTTCTGTACAGAGCAGCGGCTGACCCACCCACAGGACACAATGTGGGGAGA
 GGAGACTGAGGTAAGGAGGAGGCAACCTCTGGTGAAGTGAATAGCAGCAGCAAA
 GTCCTAATGGTGCACAAGAGGGAGGGGAACCCCGAGGCTACCCACCCCAACCTGCCCT
 GGAATGTGTAAGGGACAGGAATGGCTCTCAGGGAGCACACAGGAAGGACAAGGCTGGAAC
 CGTCTTCAGGGCCAGTTTAAAGGGCAACGTTTGCCTACTTCACCTAGACACAGCAAC
 CCTTGGAGGAAAGCAGATGGTCAGCAGTGCTCTTATCTGCCCCTCAAACCTAAGTGAGG
 GCCTGGTTCCTTCTACCTCTCCCCAGGAAAAAGAGGAGCTGCTTGGCTTCTTCTA
 GAAGCCCCGGGAGCCTTNTACTACCCAGCTCCCTTCGTAGTGTACTGTCCCCACCCAG
 GGAGGGCCAGGCACAGTCTGTGGGTCTCAGGCTCAGGAGAAGTCTGGACAGGGTGGCT
 GACCTTCATACAGCCCCAAATAAGAGCCCGGCCAAACACAGGACAGCCACAGGATGAC
 AAATGCCAGGCTGCATAGATGCCTCCATATCGCCGTGCATGCTTTCATGTGCCAAAGC
 AAGGCCANTGGCAGTGG

Restriction Sites:

NotI-NotI

ACCN:

NM_144568

Insert Size:

1750 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<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] Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.