

Product datasheet for **SC100835**

PIP4P2 (NM_018710) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIP4P2 (NM_018710) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIP4P2
Synonyms:	TMEM55A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100835 sequence for NM_018710 edited (data generated by NextGen Sequencing)

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ATGGCTGCTGATGGGGTGGACGAACGCTCGCCTCTGCTGTCAGCATCCCCTCCGAAAT
GTCACCTCCACCCGCCACCGTACTTGCAAGAAAGCAGCCCAGAGCGGAGCTCCCACCT
CCATATACAGCCATTGCCAGTCCAGACGCCAGTGGTATTCCAGTAATAAACTGCCGTGTG
TGCCAATCACTAATCAATTTGGATGGCAAGCTTACCAGCATGTGGTTAAGTGCACAGTT
TGCAATGAAGCTACGCCAATCAAAAACCCCAACAGGCAAGAAATATGTTAGATGCCCT
TGTAATTGTCTTCTCATTGTGTAAGGACACATCTCGGCGAATAGGATGCCAAGACCCAAC
TGTAGACGGATAATTAACCTTGGCCAGTAATGCTTATTCTGAAGAACAACCAGCTCAG
CCTGCATTGCCAATCCAACCAGAAGGTACAAGGGTCGTGTGTGGGCACTGTGAAACACA
TTCTGTGGATGGAAGTCAACTCTGGCAAAATGCCACACTGCAAAAAATC
TCCTCAGTGGGTAGTGCATTCCACGAAGACGCTGCTGTGCATATATTACCATTGGAATG
ATATGATTTTTCATTGGAGTTGGGTTAACTGTTGGCACCCAGATTTTGAAGGCGATTT
CGAGCAACCTATGTTTCTGGGCAATTGCTTATCTCCTAGGATTGATCTGCCTTATCCGA
GCTTGTTATTGGGGAGCCATAAGAGTCAGTTATCCAGAACACAGTTTTGCATAA
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Clone variation with respect to NM_018710.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_018710 unedited</p> <pre>CACGACTTTACTATAGGGCGGCACGCGCAATTCGGCACGAGGCCACCACTCCGCCGAGGC CGCAACCCCGGCTCGGCCTCCCCAGGCCCGCCGCTGCCGAGTCATGGCTGCTGATGGG GTGGACGAACGCTCGCCTCTGCTGTGAGCATCCCACTCCGAAATGTCACTCCCACCGCC CCACCGTACTTGAAGAAAGCAGCCCCAGAGCGGAGCTCCACCTCCATATACAGCCATT GCCAGTCCAGACGCCAGTGGTATTCCAGTAATAAAATGCCGTGTGTGCCAATCACTAATC AATTTGGATGGCAAGCTTCACCAGCATGTGGTTAAGTGCACAGTTTGAATGAAGCTACG CCAATCAAAAACCCCAACAGCAAGAAATATGTTAGATGCCCTTGAATTGTCTTCTC ATTTGTAAGGACACATCTCGGCGAATAGGATGCCCAAGACCCAAGTGTAGACGGATAATT AACCTTGGCCAGTAATGCTTATTTCTGAAGAACAACCAGCTCAGCCTGCATTGCCAATC CAACCAGAAGGTACAAGGTGCTGTGTGGGCACTGTGGAACACATTCCTGTGGATGGAA CTGAGGTTCAACACTCTGGCAAATGCCACACTGCAAAAAATCTCCTCAGTGGGTAGT GCATTCACGAAGACGCTGTGCATATATTACCATTGGAATGATATGATTTTTCATT GGAGTTGGGTTAACTGGTGGCACCCAGATTTGCAAGGCGATTCGAGCACCCCTATGTTT CTTGGGCAATTTGCCTATCTCCTAGGATTGATCTGCCCTATCCGAGCCTGTTATTGGGGAG CCATAAGATCAGTTTCCAGACCCAGTTTGCATAGCTTGTATGAATCATATGCAGTGAG AGGTTAACATTCTTGAAGCACTTGGACTCTTAATTATTATCCTAGGATCCATCTGGTTA GGATACGTTTCAGACTTGGGACTTTTAG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_018710 unedited</p> <pre>NNGGGTCTACTATGNNACCGCGCCGCAANCTANGATCGAGTTTTTTTTTTTTTTTTTTTT GAACAATAATCTTTATTAGTGTATTTTTAAAGGTACATATAATCCTGAGCTACAGCATT ATACATTTGTCATTTACTCTTTGAAGTGTACATGTATTTTGCTTCAAATCTGTGATGAG TAGTTTTTATACTAATCAGTATCATAAATAATTTAAATATTAGTCTTATCTCTGGAAT CACCAATCAATTTACTCAGATGATCTCACTGTCTAATTCTACTACATTTAAAGACTGTAG AACATTTGTGATTAAGCAATTTCTTTTTCAAAGTGAAGATGGGCAGTGCAGAGCTG ATTCCATAAAATTTCAATGAATTTCTAGAAAATTATGTTGTTCTTTATTTCTGATCTATTT TCTTGAATAATTTGGGTAATTATCTGATCAGTTACCTTTGAGAAGAATAGTAAAAGTACC TCTAATCTCAACATTTTAGTACTGTAAAATGTCATAAGCTTCTTCAAATATAAGTAGT ACATAATTACCTCAATAAGAAAAATTTACCATGATCTAAGGAAAGGGGCACAACCCAAT GTAAATATATCTTTGGATAAATGGTTAAGTATTATAAAACATGTTATGTGAAATCTTCC TCAAGCCTCTATAAAGGAATACATAGAGCTGATAAACATTTAAATCCATAATCCAGACCA GATCTTTTATAAATGGTAATAAAAAAGGCAAAAAATGAAAGACAAAAGTCTGTGATCTTT GAGAAAAGAATTTATCCAACATCTCCAAGTGTGGACAAAATAAATATTCGTTCTTGATTT TAAATTACTACCAAAATTTTTATCTTTCTACAACAACAAAACAGCAAACAGTTCTAGAA ATTT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_018710
Insert Size:	2350 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:	<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>NM_018710.1</u> , <u>NP_061180.1</u>
RefSeq Size:	2266 bp
RefSeq ORF:	774 bp
Locus ID:	55529
UniProt ID:	<u>Q8N4L2</u>
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]