

## Product datasheet for **SC307882**

### TMEPAI (PMEPA1) (NM\_199169) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TMEPAI (PMEPA1) (NM_199169) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEPAI
Synonyms:	STAG1; TMEPAI
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_199169, the custom clone sequence may differ by one or more nucleotides ATGGCGGAGCTGGAGTTTGTTCAGATCATCATCATCGTGGTGGTATGATGGTATGGT GTGGTATCACGTGCCTGCTGAGCCACTACAAGCTGTCTGCACGGTCCTTCATCAGCCGG CACAGCCAGGGCGGAGGAGAGAAGATGCCCTGTCTCAGAAGGATGCCTGTGGCCCTCG GAGAGCACAGTGTGAGGCAACGGAATCCCAGAGCCGAGGTCTACGCCCCGCCTCGGCC ACCGACCGCTGGCCGTGCCGCCCTTCGCCAGCGGGAGCGCTTCCACCGCTTCCAGCCC ACCTATCCGTACCTGCAGCACGAGATCGACCTGCCACCCACCATCTCGCTGTGAGACGGG GAGGAGCCCCACCTACCAGGGCCCTGCACCCTCCAGCTTCGGGACCCCGAGCAGCAG CTGGAACCTGAACCGGGAGTCGGTGCAGCACCCCAACAGAACCATCTTCGACAGTGAC CTGATGGATAGTGCCAGGCTGGGCGGCCCTGCCCCCCAGCAGTAACTCGGGCATCAGC GCCACGTGCTACGGCAGCGGGCGGCATGGAGGGGCGCCGCCACCTACAGCGAGGTC ATCGGCCACTACCCGGGGTCTCTTCCAGCACCAGCAGAGCAGTGGGCCGCCCTCCTTG CTGGAGGGGACCCGGCTCCACCACACACATCGCGCCCTAGAGAGCGCAGCCATCTGG AGCAAAGAGAAGGATAAACAGAAAGGACACCCTCTCTAG
Restriction Sites:	Please inquire
ACCN:	NM_199169
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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).



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<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_199169.1, NP_954638.1</u>
<b>RefSeq Size:</b>	4538 bp
<b>RefSeq ORF:</b>	759 bp
<b>Locus ID:</b>	56937
<b>UniProt ID:</b>	<u>Q969W9</u>
<b>Cytogenetics:</b>	20q13.31
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	<p>This gene encodes a transmembrane protein that contains a Smad interacting motif (SIM). Expression of this gene is induced by androgens and transforming growth factor beta, and the encoded protein suppresses the androgen receptor and transforming growth factor beta signaling pathways through interactions with Smad proteins. Overexpression of this gene may play a role in multiple types of cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (b) is shorter and has a distinct N-terminus, compared to isoform a.</p>