

Product datasheet for **SC124411**

TMEPAI (PMEPA1) (NM_199171) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEPAI (PMEPA1) (NM_199171) Human Untagged Clone
Tag:	Tag Free
Symbol:	PMEPA1
Synonyms:	STAG1; TMEPAI
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_199171, the custom clone sequence may differ by one or more nucleotides

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ATGATGGTGATGGTGGTGGTGCATCACGTGCCTGCTGAGCCACTACAAGCTGTCTGCACGGTCCTTCATCA
GCCGGCACAGCCAGGGGCGGAGGAGAGAAGATGCCCTGTCCTCAGAAGGATGCCTGTGGCCCTCGGAGAG
CACAGTGTGAGGCAACGGAATCCCAGAGCCGAGGTCTACGCCCCGCTCGGCCACCGACCGCCTGGCC
GTGCCGCCCTTCGCCAGCGGGAGCGCTTCCACCGCTTCCAGCCCACCTATCCGTACCTGCAGCAGCAGAGA
TCGACCTGCCACCCACCATCTCGCTGTGACGACGGGGAGGAGCCCCACCCTACCAGGGCCCTGCACCCCT
CCAGCTTCGGGACCCCGAGCAGCAGCTGGAAGTGAACCGGGAGTCGGTGCAGCGCACCCCCAACAGAAC
ATCTTCGACAGTGACCTGATGGATAGTGCCAGGCTGGGCGGCCCTGCCCCCCAGCAGTAACTCGGGCA
TCAGCGCCACGTGCTACGGCAGCGGGCGCATGGAGGGGCCCGCCACCTACAGCGAGGTCATCGG
CCACTACCCGGGGTCTCCTTCCAGCACCAGCAGAGCAGTGGGCCGCCCTCCTTGCTGGAGGGGACCCGG
CTCCACCACACACATCGCGCCCTAGAGAGCGCAGCCATCTGGAGCAAAGAGAAGGATAAACAGAAAG
GACACCCTCTCTAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_199171 unedited
AACACGACTTACTATAGGGCGGCCGGAATTCGGCACGAGGGCTTGATGGGGGTCAACAG
CACCGCCGCCGCCGCCGCCGGCAGCCCAATGTCTCCTGCACGTGCAACTGCAAACGCTC
TTTGTTCAGAGCATGGAGATCACGGAGCTGGAGTTTGTTCAGATCATCATCATCGTGGT
GGTGATGATGGTATGGTGGTGGTATCACGTGCCTGCTGAGCCACTACAAGCTGTCTGC
ACGGTCCCTTCATCAGCCGGCACAGCCAGGGGCGGAGGAGAGAAGATGCCCTGTCCCTCAGA
AGGATGCCTGTGGCCCTCGGAGAGCACAGTGTACAGGCAACGGAATCCCAGAGCCCGAGGT
CTACGCCCCGCCCTCGGCCACCGACCGCCTGGCCGTGCCGCCCTTCGCCAGCGGGAGCG
CTTCCACCGCTTCCAGCCACCTATCCGTACCTGCAGCACGAGATCGACCTGCCGCCAC
CATCTCGTGTACAGACGGGGAGGAGCCCCACCCTACCAGGGCCCTGCACCCTCCAGCT
TCGGGACCCCGAGCAGCAGCTGGAAGTGAACCGGGAGTGGTGCAGCACCCCAACAG
AACCATCTTCGACAGTGACCTGATGGATAGTGCCAGGCTGGGCGGCCCTGCCCCCGAG
CAGTAACTCGGGCATCAGCGCCACGTGCTACGGCAGCGGGCGCATGGAGGGGCCCGC
GNCCACCTACAGCGAGGTATCGGCCACTACCCGNGTCTNCTTCCAGACCAGCAGACA
GTGGGCCGCCCTTCTGCTNGGAGGACCGCNCNTCACACCACACATTGNGCCCTAGAAGCGC
AGCATCTGGAGCAAGAGAAGATAACAGAAGGACACCTTCTAGGGTCCAGGGGCCGCTG
GGCTGNTAGTGAAGCANACACTCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_199171 unedited
GGCACGCAATCTAAAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGAAGCTCT
CTTAGCTTGTGCATTAGACCAGACATCACATGTAATATTTATACACAGGGAGGTGGGA
GGGGAGGGCCACACGATGCGTTGCTGCGCCCCCGCCTTCTCACTCCTCTTCTAAGA
AGCGCGGAGTGTCTGCCTTTTACCTACGCAGCCCCAGCCCGGCCCTGGGGACCCT
AGAGAGGGGGTCTTTCTGTTTATCCTTCTTTTGTCCAGATGGCTGCGCTCTTAAGG
GCGCGATGTGTGTGGTGGAGCCGGTCCCTCCAGCAAGGAGGGCGGCCACTGCTCT
GCTGGTGTGGAAGGAGACCCCGGTAGTGGCCGATGACCTCGTGTAGGTGGGCGCG
GCCCTCCATGCGCCCGCGCTGCCGTATCACGTGGCGCTGATGCCCGAGTACTGCTGG
GGGGCAGGGGCCGCCAGCCTGGCACTATCCATCAGGTCACTGTGCAAGATGGTTCTGT
TTGGGGTGCAGCCAGCTCCCGTTTCCAGTTCAGCTGCTGCTCGGGTCCCAGAGCT
GGAGGGTGCAGGGGCCCTGGTAAGGTGGGGCTCCTCCCCGTGACAGCGAGATGGTGG
GCCGGCAAGTCGATCTCGTGTGTCAGGTACGGATAGGTGGGTGGGAAGCGGTGGAAGCG
CTCCCGTGGGCGATAGCGGCCAGGGCCAGCGTTTCGGTGGGCCGAGCCGGGGCGAAA
ACCGCGGCTCTGGGATTCGTTCCCTGAACTGTGCTCTCGAAGCCAAGGCATCCTTCTGA
GAAAGCCATCTTCTTCTCCCCCTGGTTGGCCGGTTGATGAAGACCGGCCAAAGCTTGG
TTTGCTACAAGCCCGTATCCACCTTTCTTTTTCCACCCGATGTTGAGGACGGA
CAACTCCCCCTCGGGT

Restriction Sites:

NotI-NotI

ACCN:

NM_199171

Insert Size:

1080 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_199171.1, NP_954640.1</u>
RefSeq Size:	4645 bp
RefSeq ORF:	714 bp
Locus ID:	56937
UniProt ID:	<u>Q969W9</u>
Cytogenetics:	20q13.31
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<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 (4) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream, in-frame start codon, compared to variant 1. Variants 3 and 4 encode the same isoform (c), which has a shorter N-terminus compared to isoform a.</p>