

Product datasheet for SC121025

TMEPAI (PMEPA1) (NM_199170) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEPAI (PMEPA1) (NM_199170) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEPAI
Synonyms:	STAG1; TMEPAI
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC121025 sequence for NM_199170 edited (data generated by NextGen Sequencing)

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ATGATGGTGATGGTGGTGGTGCATCACGTGCCTGCTGAGCCACTACAAGCTGTCTGCACGG
TCCTTCATCAGCCGGCACAGCCAGGGGCGGAGGAGAGAAGATGCCCTGTCCTCAGAAGGA
TGCTGTGGCCCTCGGAGAGCACAGTGTGAGGCAACGGAATCCCAGAGCCGCAGGTCTAC
GCCCGCCTCGGCCACCGACCGCTGGCCGTGCCGCCCTTCGCCAGCGGGAGCGCTTC
CACCGCTTCCAGCCACCTATCCGTACCTGCAGCAGGATCGACCTGCCGCCACCATC
TCGCTGTCAGACGGGAGGAGCCCCACCCTACCAGGGCCCTGCACCCTCCAGTTCGG
GACCCCGAGCAGCAGCTGGAACGAACCGGGAGTCGGTGCAGCAGCCCCAAACAGAACC
ATCTTCGACAGTGACCTGATGGATAGTGCAGGCTGGGCGGCCCTGCCCGCCAGCAGT
AACTCGGGCATCAGCGCCACGTGTACGGCAGCGGGCGGCATGGAGGGCCGCGCCG
ACCTACAGCGAGTTCATCGGCCACTACCCGGGGTCTCCTTCCAGCACCAGCAGAGCAGT
GGGCCGCCCTCCTTGCTGGAGGGGACCCGGCTCCACCACACACATCGCGCCCTAGAG
AGCGCAGCCATCTGGAGCAAAGAGAAGGATAAACAGAAAGGACACCCTCTCTAG

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Clone variation with respect to NM_199170.1
291 a=>g



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_199170 unedited GTATACACTACTATAGGGCGGCCGCAATTCGCACGAGGATCGTGGTGGTGATGATGGTG ATGGTGGTGGTGATCACGTGCCTGCTGAGCCACTACAAGCTGTCTGCACGGTCCTTCATC AGCCGGCACAGCCAGGGGCGGAGGAGAGAAGATGCCCTGTCTCAGAAGGATGCCTGTGG CCCTCGGAGAGCACAGTGTCAAGCAACGGAATCCCAGAGCCGAGGTCTACGCCCCGCCT CGGCCCACCGACCGCCTGGCCGTGCCGCCCTTCGCCAGCGGGAGCGCTTCCACCGCTTC CAGCCCACCTATCCGTACCTGCAGCAGAGATCGACCTGCCGCCACCACCTCTCGCTGTCA GACGGGGAGGAGCCCCACCCTACCAGGGCCCCTGCACCCTCCAGCTTCGGGACCCCGAG CAGCAGCTGGAACGAACCGGGAGTCCGGTGCAGCAGCCCCAAACAGAACCATCTTCGAC AGTGACCTGATGGATAGTGCCAGGCTGGGCGGCCCTGCCCCCCAGCAGTAACTCGGGC ATCAGCGCCACGTGCTACGGCAGCGGGGCGCATGGAGGGGCCGCCCCACCTACAGC GAGGTCATCGGCCACTACCCGNGTCCTCCTTCCAGCACCAGCAGAGCAGTGGGCCGCC TCCTTGCTGGAGGGGACCCGGCTCCACCACACACATCGCGCCCCTAGAGAGCGCAGCC ATCTGGAGCANAGAAAAGATAAACAGAAAGGACACCCTCTTAGGGTCCCAGGGGGGCG CGGGCTGGNGCTGCCGTAGTAAAGGCAAACACTNCGCGCTTCTAAAAAAGATGANNAGA AGCGGGGGGCGCACACGCATCGTGTGCCCTCCCTCCACCTCCTGTGATAATTTACT
Restriction Sites:	NotI-NotI
ACCN:	NM_199170
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:	NM_199170.1 , NP_954639.1
RefSeq Size:	4531 bp
RefSeq ORF:	714 bp
Locus ID:	56937
UniProt ID:	Q969W9
Cytogenetics:	20q13.31
Protein Families:	Druggable Genome, Transmembrane

Gene Summary:

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]

Transcript Variant: This variant (3) 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.