

Product datasheet for **SC117519**

PKMYT1 (NM_004203) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PKMYT1 (NM_004203) Human Untagged Clone
Tag: Tag Free
Symbol: PKMYT1
Synonyms: MYT1; PPP1R126
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_004203 edited
 ATGCTAGAACGGCCTCCTGCACTGGCCATGCCCATGCCACGGAGGGCACCCCGCCACCT
 CTGAGTGGCACCCCATCCCAGTCCCAGCCTACTCCGCCACGCAGAACCTGGATTCTCC
 CTCAAGAGGCCCCAGGGGGCTCAGCCGGAGCCTCCACCTCCGCCCTGCCAAGGGCAGC
 ATTCCCATCAGCCGCTCTTCCCTCCTCGACCCAGGCTGGCACCAGCTGCAGCCCGG
 CGGGTGTCAATCCGGGGCAGGCCTCAGAGACTCTGCAGAGCCCTGGGTATGACCCAAGC
 CGGCCAGAGTCTTCTCCAGCAGAGCTTCCAGAGGCTCAGCCGCTGGGCCATGGCTCC
 TACGGAGAGGTCTTCAAGGTGCGCTCCAAGGAGGACGGCCGGCTCTATGCGGTAAAGCGT
 TCCATGTCAACATTCCGGGGCCCAAGGACCGGGCCGCAAGTTGGCCGAGGTGGGCAGC
 CACGAGAAGGTGGGCAGCACCCATGCTGCGTGGGCTGGAGCAGGCTGGGAGGAGGGC
 GGCATCCTGTACCTGCAGACGGAGCTGTGCGGGCCAGCCTGCAGCAACTGTGAGGCC
 TGGGGTGCCAGCCTGCCTGAGGCCAGGCTGGGGCTACCTGCGGGACACGCTGCTTGCC
 CTGGCCCATCTGCACAGCCAGGGCTGGTGCACCTTGATGTCAAGCCTGCCAACATCTTC
 CTGGGGCCCCGGGGCCGCTGCAAGCTGGGTGACTTCGGACTGCTGGTGGAGCTGGGTACA
 GCAGGAGCTGGTGGGTCCAGGAGGGAGACCCCGCTACATGGCCCCGAGCTGCTGCAG
 GGCTCCTATGGGACAGCAGCGGATGTGTTCACTGCTGGGCTCACCATCCTGGAAGTGGA
 TGCAACATGGAGCTGCCCCACGGTGGGGAGGGCTGGCAGCAGCTGCGCCAGGGCTACCTG
 CCCCCTGAGTTCACTGCCGGTCTGTCTTCCGAGCTGCGTTCTGTCTTGTATGATGCTG
 GAGCCAGACCCCAAGCTGCGGGCCACGGCCGAGGCCCTGCTGGCACTGCCTGTGTTGAGG
 CAGCCGCGGGCCTGGGGTGTGCTGTGGTGCATGGCAGCGGAGGCCCTGAGCCGAGGGTGG
 GCCCTGTGGCAGGCCCTGCTTGCCCTGCTGCTGGCTCTGGCATGGGCTGGCTCACCCCT
 GCCAGTGGCTACAGCCCTGGGCCCGCCAGCCACCCCGCTGGCTCACCACCCTGCAGT
 TTGCTCCTGGACAGCAGCCTCTCCAGCAACTGGGATGACGACAGCCTAGGGCCTTCACTC
 TCCCCTGAGGCTGTCTGGCCCGACTGTGGGGAGCACCTCCACCCCGGAGCAGGTGC
 ACACCCAGGGATGCCCTGGACCTAAGTGACATCAACTCAGAGCCTCCTCGGGCTCCTTC
 CCCTCCTTGGAGCCTCGAACCTCCTCAGCCTGTTTGAGGACACCCTAGACCCAACCTGA



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004203 unedited
 GGACTCGGGATTTGTAATACGACTTTATATAGGCGGCACGCAATTCGCACGAGGCGCGC
 GCGTTCGGGGCCGTTCCCTCAGGGAGTCTCCGCCCGGGCGTCCGGAACAGTCGACGG
 CAGACTCCGGCCCGCTGAGCCACCCGAGGGTCCCGTGGCTCCGCGGACCCGGAATCTG
 GGCCCTCGGGACCCGCGCCCGCCAGTCGCCCTTTGGCTTCCCACACCCACGGAGTG
 AAGTCAGCCGCGCCCTGCCTGGGAGGAACTTACCGTCTACCGGAAAGGTGGCCAGCAG
 ATGTGTCGGGCTGGTGAGAGGGTGAGGGGAGACGGCCCGATCGCCAGGGCCCGGAAG
 CTGCGGAGGTACCCCGCCTGGCTTAGCTCAGGGACACCCTGGATTACGTGGGAGCC
 CCTGCTCCTGCCTCCCCGTCACCACCTGAGGCTGTTGGGCCAGGCCAGTCATGCTAGA
 ACGGCCTCTGCACTGGCCATGCCATGCCACGGAGGGCACCCCGCCACCTCTGAGTGG
 CACCCCATCCCAGTCCCAGCCTACTTCCGCCACGAGAACCTGGATTCTCCCTCAAGAG
 GCCCAGGGGGCTCAGCCGAGCCTCCACCTCCGCCCTGCCAAGGGCAGCATTCCCAT
 CAGCCGCCTTCCCTCCTCGGACCCAGGCTGGCACCAGCTGCAGCCCGGGGGTGTG
 ATTCGGGGGAGGCCTCAGAGACTCTGCAGAGCCCTGNGTATGACCCAAGCCGGCCAGA
 GTCCTTTCTTCCAGAGACTTCCAGAGGCTCAGCCGCTGGGCCATGGGCTCTACNGAGA
 GGTCTTCAAAGTGCCTCCNAGAGACGGCCGGCTCTNATGCGTAAAGCGTTCATGTCAC
 CAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004203 unedited
 TATGACCGCGCCGATTCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTCAAGTTCAAATA
 CTTTTTATTAGACACGGCCAGGCAGAGAAGACCATGGGAGTTCAGGGGGCCCCAGCTT
 TCAAGGGGACGGGAGAGACACAGGATAAAAGGTTAAAAGTGCAGAGGCAGAGTCTGGGG
 CTCAGTTGGGTCTAGGGTGTCTCAAACAGGCTGAGGAGTTCAGGGCTCAAAGGAGG
 GGAAGGAGCCCGAGGAGCTCTGAGTTGATGCACTTAGGTCCAGGGCATCCCTGGGTG
 TGACCTGCTCCGGGGGTGGAGGTGCTCCACAGTCCGGGCCAGGACAGCCTCAGGGG
 AGAGTGAAGGCCCTAGGCTGTGTCATCCAGTTGCTGGAGAGGCTGCTGTCCAGGAGCA
 AACTGCAGGGTGGTGAGCCAGGCGGGTGGCTGGCGGGCCAGGGGCTGTAGCCAGCTGG
 CAGGGTGAGCCAGCCATGCCAGAGCCAGCAGAGCAGGGCAAGCAGGGCTGCCACAGGG
 CCCACCCTCGGCTCAGGGCCTCCGCTGCCATGCCACAGCACACCCAGGCCCGGGCT
 GCCTCAACACAGGCAGTCCAGCAGGGCCTCGGCCGTGGCCCGCAGCTTGGGGTCTGGCT
 CCAGCATCATGACAAGGACAGAACGCAGCTCGGAAGACAGACCGGCAGTGAACCTCAGGGG
 GCAGGTAGCCCTGGCGCAGCTGCTGCCAGCCCTCCACAGTGGGGCAGCTCCATGGTGCA
 TGCCACTTCCANATGGTGAGGCCAGACTGAACCATCCGCTGCTGTCCATTAGACCCTG
 CAAAGCCTGGGGGCTGTACCGGGGTTTCTCCTGAACTTACCAGCTCTGCTGTACC

Restriction Sites:

NotI-NotI

ACCN:

NM_004203

Insert Size:

2190 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:	NM_004203.3 , NP_004194.3
RefSeq Size:	2121 bp
RefSeq ORF:	1500 bp
Locus ID:	9088
UniProt ID:	Q99640
Cytogenetics:	16p13.3
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation
Gene Summary:	<p>This gene encodes a member of the serine/threonine protein kinase family. The encoded protein is a membrane-associated kinase that negatively regulates the G2/M transition of the cell cycle by phosphorylating and inactivating cyclin-dependent kinase 1. The activity of the encoded protein is regulated by polo-like kinase 1. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, May 2012]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>