

Product datasheet for **SC313659**

PKMYT1 (NM_182687) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PKMYT1 (NM_182687) Human Untagged Clone
Tag:	Tag Free
Symbol:	PKMYT1
Synonyms:	MYT1; PPP1R126
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_182687 edited
 AGGCCCACCATGCTAGAACGGCCTCCTGCACTGGCCATGCCCATGCCACGGAGGGCACC
 CCGCCACCTCTGAGTGGCACCCCATCCAGTCCCAGCCTACTTCCGCCACGCAGAACCT
 GGATTCTCCCTCAAGAGGCCAGGGGGCTCAGCCGGAGCCTCCACCTCCGCCCCCTGCC
 AAGGGCAGCATTCCCATCAGCCGCTCTTCCCTCCTCGGACCCAGGCTGGCACCAGCTG
 CAGCCCCGGCGGGTGTCAATCCGGGGCAGGCCTCAGAGACTCTGCAGAGCCCTGGGTAT
 GACCCAAGCCGGCAGAGTCCTTCTTCCAGCAGAGCTTCCAGAGGCTCAGCCGCCTGGGC
 CATGGCTCTACGGAGAGGTCTTCAAGGTGCGCTCCAAGGAGGACGGCCGGCTCTATGCG
 GTAAGCGTTCCATGTCACCATCCGGGGCCCCAAGGACCGGGCCGCAAGTTGGCCGAG
 GTGGGCAGCCACGAGAAGGTGGGCAGCACCCATGCTGCGTGGGCTGGAGCAGGCTGG
 GAGGAGGGCGGCATCCTGTACCTGCAGACGGAGCTGTGCGGGCCAGCCTGCAGCAACAC
 TGTGAGGCTGGGTGCCAGCCTGCCTGAGGCCAGGTCTGGGGCTACCTGCGGGACACG
 CTGCTTGCCCTGGCCATCTGCACAGCCAGGGCCTGGTGACCTTGATGTCAAGCCTGCC
 AACATCTTCTGGGGCCCCGGGGCCGCTGCAAGCTGGGTGACTTCGGACTGCTGGTGGAG
 CTGGGTACAGCAGGAGCTGGTGAGGTCCAGGAGGGAGACCCCGCTACATGGCCCCGAG
 CTGCTGCAGGGCTCCTATGGGACAGCAGCGGATGTGTTCACTGCTGGCCCTACCATCCTG
 GAAGTGGCATGCAACATGGAGCTGCCCCACGGTGGGGAGGGCTGGCAGCAGCTGCCCCAG
 GGCTACCTGCCCCCTGAGTTCACTGCCGGTCTGTCTTCCGAGCTGCGTTCTGTCTTGTG
 ATGATGCTGGAGCCAGACCCCAAGCTGCGGGCCACGGCCGAGGCCCTGCTGGCAGTGCCT
 GTGTTGAGGCAGCCGCGGGCCTGGGTGTGCTGTGGTGCATGGCAGCGGAGGCCCTGAGC
 CGAGGGTGGGCCCTGTGGCAGGCCCTGCTTGCCTGCTCTGCTGGCTCTGGCATGGGCTG
 GCTCACCTGCCAGCTGGCTACAGCCCCTGGGCCCGCCAGCCACCCCGCTGGCTACCA
 CCCTGCAGTTTGTCTCTGGACAGCAGCCTCTCCAGCAACTGGGATGACGACAGCCTAGGC
 CCTGGACACCCTCCTTGTCTCGCCTGCCCTCCTGCAGGCCTTCACTCTCCCCTGAGGCTG
 TCCTGGCCCGGACTGTGGGGAGCACCTCCACCCCGGAGCAGGTGCACACCCAGGGATG
 CCTGGACCTAGGGCCTCATGGGCCAGCTTTCTGTATC



[View online »](#)

Restriction Sites:	Please inquire
ACCN:	NM_182687
Insert Size:	1500 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_182687.1.
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_182687.1</u> , <u>NP_872629.1</u>
RefSeq Size:	2159 bp
RefSeq ORF:	1443 bp
Locus ID:	9088
UniProt ID:	<u>Q99640</u>
Cytogenetics:	16p13.3
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 (2) uses an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.</p>