

Product datasheet for **SC332718**

PKMYT1 (NM_001258451) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PKMYT1 (NM_001258451) Human Untagged Clone
Tag: Tag Free
Symbol: PKMYT1
Synonyms: MYT1; PPP1R126
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332718 representing NM_001258451.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCCATGCCACGGAGGGCACCCGCCACCTCTGAGTGGCACCCCATCCCAGTCCCAGCCTACTTC
CGCCACGCAGAACCTGGATTCTCCCTCAAGAGGCCAGGGGGCTCAGCCGGAGCCTCCCACCTCCGCC
CCTGCCAAGGGCAGCATTCCCATCAGCCGCCTCTCCCTCCTCGGACCCAGGCTGGCACCAGCTGCAG
CCCCGGCGGGTGTCAATCCGGGGCAGGGCTCAGAGACTCTGCAGAGCCCTGGGTATGACCCAAGCCGG
CCAGAGTCTTCTCCAGCAGAGCTTCCAGAGGCTCAGCCGCCTGGGCCATGGCTCTACGGAGAGGTC
TTCAAGGTGCGCTCCAAGGAGGACGGCCGGCTCTATGCGGTAAGCGTTCATGTACCATTCCGGGGC
CCCAAGGACCGGGCCCGCAAGTTGGCCGAGGTGGGCAGCCACGAGAAGGTGGGGCAGCACCCATGCTGC
GTGCGGCTGGAGCAGGCTGGGAGGAGGGCGGCATCCTGTACCTGCAGACGGAGCTGTGCGGGCCAGC
CTGCAGCAACTGTGAGGCTGGGGTGGCAGCCTGCCTGAGGCCAGGTCTGGGGTACCTGCGGGAC
ACGCTGCTTGCCCTGGCCATCTGCACAGCCAGGGCTGGTGCACCTTGATGTCAAGCCTGCCAACATC
TTCCTGGGGCCCCGGGGCCGCTGCAAGCTGGGTGACTTCGGACTGCTGGTGGAGCTGGGTACAGCAGGA
GCTGGTGAGGTCCAGGAGGGAGACCCCCGCTACATGGCCCCGAGCTGCTGCAGGGCTCCTATGGGACA
GCAGCGGATGTGTTCACTCTGGGCTCACCATCCTGGAAGTGGCATGCAACATGGAGCTGCCCCACGGT
GGGGAGGGCTGGCAGCAGCTGCAGGGCTACCTGCCCCCTGAGTTCACTGCCGTCTGTCTTCCGAG
CTGCGTTCTGTCTTGTATGATGCTGGAGCCAGACCCCAAGCTGCGGGCCACGGCCGAGGCCCTGCTG
GCACTGCCTGTGTTGAGGCAGCCCGGGCTGGGGTGTGCTGTGGTGCATGGCAGCGAGGCCCTGAGC
CGAGGGTGGGCCCTGTGGCAGGCCCTGCTTGCCCTGCTCTGCTGGCTCTGGCATGGGCTGGCTCACCT
GCCAGCTGGCTACAGCCCTGGGCCCGCCAGCCACCCCGCTGGCTCACCACCCTGCAGTTTGCTCCTG
GACAGCAGCCTCTCCAGCAACTGGGATGACGACAGCCTAGGGCCTTCACTCTCCCTGAGGCTGTCTG
GCCCGGACTGTGGGGAGCACCTCCACCCCGGAGCAGGTGCACACCCAGGGATGCCCTGGACCTAAGT
GACATCAACTCAGAGCCTCCTCGGGCTCCTTCCCTCCTTTGAGCCTCGGAACCTCCTCAGCCTGTTT
GAGGACACCTAGACCAACCTGA
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001258451
Insert Size: 1473 bp



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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_001258451.1
RefSeq Size:	2051 bp
RefSeq ORF:	1473 bp
Locus ID:	9088
UniProt ID:	Q99640
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation
MW:	53.5 kDa
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 (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. The encoded isoform (4) has a shorter N-terminus, compared to isoform 1.</p>