

Product datasheet for **SC332717**

PKMYT1 (NM_001258450) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PKMYT1 (NM_001258450) Human Untagged Clone
Tag: Tag Free
Symbol: PKMYT1
Synonyms: MYT1; PPP1R126
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332717 representing NM_001258450.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCTAGAACGCTGGCACCAGCTGCAGCCCCGGCGGTGTCATTCCGGGGCGAGGCCCTCAGAGACTCG
CAGAGCCCTGGGTATGACCCAAGCCGGCCAGAGTCCTTCTTCCAGCAGAGCTTCCAGAGGCTCAGCCGC
CTGGGCCATGGCTCCTACGGAGAGGTCTCAAGGTGCGCTCCAAGGAGGACGGCCGGCTCTATGCGGTA
AAGCGTTCATGTCACCATTCCGGGGCCCCAAGGACCGGGCCCAAGTTGGCCGAGGTGGGCAGCCAC
GAGAAGGTGGGGCAGCACCCATGCTGCGTGC GGCTGGAGCAGGCCCTGGGAGGAGGGCCGATCCTGTAC
CTGCAGACGGAGCTGTGCGGGCCAGCCTGCAGCAACACTGTGAGGCCTGGGGTGCCAGCCTGCCTGAG
GCCAGGTCTGGGGCTACCTGCGGGACACGCTGCTTGCCCTGGCCATCTGCACAGCCAGGGCCTGGTG
CACCTTGATGTCAAGCCTGCCAACATCTTCTGGGGCCCCGGGGCCGCTGCAAGCTGGGTGACTTCGGA
CTGCTGGTGGAGCTGGGTACAGCAGGAGCTGGTGGGTCCAGGAGGGAGACCCCCGCTACATGGCCCCC
GAGCTGCTGCAGGGCTCCTATGGGACAGCAGCGGATGTGTTCACTCTGGGCCCTACCATCCTGGAAGTG
GCATGCAACATGGAGCTGCCCCACGGTGGGAGGGCTGGCAGCAGCTGCGCCAGGGCTACCTGCCCCCT
GAGTTCAGTCCCGGTCTGTCTTCCGAGCTGCGTTCTGTCTTGTGATGATGCTGGAGCCAGACCCCAAG
CTGCGGGCCACGGCCGAGGCCCTGCTGGCACTGCCTGTGTTGAGGCAGCCGCGGGCTGGGGTGTGCTG
TGGTGATGGCAGCGGAGGCCCTGAGCCGAGGGTGGGCCCTGTGGCAGGCCCTGCTTGCCCTGCTCTGC
TGGCTCTGGCATGGGCTGGCTCACCTGCCAGCTGGCTACAGCCCTGGGCCCGCCAGCCACCCCGCCT
GGCTACCACCCTGCAGTTTGTCTCTGGACAGCAGCCTCTCCAGCAACTGGGATGACGACAGCCTAGGG
CCTTCACTCTCCCTGAGGCTGTCTGGCCCGACTGTGGGGAGCACCTCCACCCCGGAGCAGGTGC
ACACCCAGGGATGCCCTGGACCTAAGTGACATCAACTCAGAGCCTCCTCGGGGCTCCTCCCTCCTTT
GAGCCTCGAACCTCCTCAGCCTGTTTGGAGACACCTAGACCCAACCTGA
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001258450
Insert Size: 1293 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_001258450.1
RefSeq Size:	1980 bp
RefSeq ORF:	1293 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:	47.3 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 (3) uses an alternate splice site in the 5' coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (3) is shorter than isoform 1.</p>