

Product datasheet for MC203172

Pkmyt1 (NM_023058) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pkmyt1 (NM_023058) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pkmyt1
Synonyms: 6230424P17; AW209059; Myt1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >BC025061

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CGCTGCTGCGCCACGCCAGCCCTCCCCAGTACTTGTGGCCACACGACCTTCATGTGGACAATACAACG
TGTGTGTGGCAAAGAAGTGGCTCTTTGTGGGCCACAGGACCAAGTGTGTTGAGTGGACACATTGCTT
TGTGCTCGGATCCTTTAGCGTTGGCCATGACCATGCCACCGAGGGCACCCACCACCCTAAGTGGTAC
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CCCCAGGTGGCACCAGCCCGAGCCCGAGGGTGTCTTTCTGTGTGAGACCTCAGAGCCCTGCAGAG
TCCTGGGTATGACCCGAGCCGGCCGAGTCTTTCTTTCAGCAGAAGTCCAGAGGCTCAGCCGCTGGGT
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GTCTTGCCACCTCTCCCTGAAACTTCCGTGTCTAATAAAAAAGTAAATGCGTCTTGGGAACACCCAAGT
TGCTCATGTGGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites:	RsrII-NotI
ACCN:	NM_023058
Insert Size:	1473 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:	<u>BC025061</u> , <u>AAH25061</u>
RefSeq Size:	1788 bp
RefSeq ORF:	1473 bp
Locus ID:	268930
UniProt ID:	<u>Q9ESG9</u>
Cytogenetics:	17 A3.3
Gene Summary:	Acts as a negative regulator of entry into mitosis (G2 to M transition) by phosphorylation of the CDK1 kinase specifically when CDK1 is complexed to cyclins. Mediates phosphorylation of CDK1 predominantly on 'Thr-14'. Also involved in Golgi fragmentation. May be involved in phosphorylation of CDK1 on 'Tyr-15' to a lesser degree, however tyrosine kinase activity is unclear and may be indirect. May be a downstream target of Notch signaling pathway during eye development (By similarity).[UniProtKB/Swiss-Prot Function]