

**Myt1-T495 Non-phospho Control Peptide**  
**Synthetic Peptide**  
**Catalog # SP2064c****Specification**

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**Myt1-T495 Non-phospho Control Peptide - Product Information**Primary Accession  
Sequence[O99640](#)  
**LLSLFEDTLDPTC****Myt1-T495 Non-phospho Control Peptide - Additional Information****Gene ID** 9088**Other Names**

Membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase, Myt1 kinase, PKMYT1, MYT1

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Myt1-T495 Non-phospho Control Peptide - Protein Information****Name** PKMYT1**Synonyms** MYT1**Function**

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 (PubMed:<a href="http://www.uniprot.org/citations/9268380" target="\_blank">9268380</a>, PubMed:<a href="http://www.uniprot.org/citations/9001210" target="\_blank">9001210</a>, PubMed:<a href="http://www.uniprot.org/citations/10504341" target="\_blank">10504341</a>, PubMed:<a href="http://www.uniprot.org/citations/10373560" target="\_blank">10373560</a>). Mediates phosphorylation of CDK1 predominantly on 'Thr-14'. Also involved in Golgi fragmentation (PubMed:<a href="http://www.uniprot.org/citations/9268380" target="\_blank">9268380</a>, PubMed:<a href="http://www.uniprot.org/citations/9001210" target="\_blank">9001210</a>). May be involved in phosphorylation of CDK1 on 'Tyr-15' to a lesser degree, however tyrosine kinase activity is unclear and may be indirect (PubMed:<a href="http://www.uniprot.org/citations/9268380" target="\_blank">9268380</a>, PubMed:<a href="http://www.uniprot.org/citations/9001210" target="\_blank">9001210</a>).

**Cellular Location**

Endoplasmic reticulum membrane; Peripheral membrane protein. Golgi apparatus membrane;  
Peripheral membrane protein

**Myt1-T495 Non-phospho Control Peptide - Images**