

Biotinylated Myt1-T495 Phospho Peptide
Synthetic Peptide
Catalog # SP2064b**Specification**

Biotinylated Myt1-T495 Phospho Peptide - Product Information

Primary Accession [O99640](#)
Sequence **Biotin-LLSLFED(pT)LDPT**

Biotinylated Myt1-T495 Phospho 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.

Biotinylated Myt1-T495 Phospho 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:9268380, PubMed:9001210, PubMed:10504341, PubMed:10373560). Mediates phosphorylation of CDK1 predominantly on 'Thr-14'. Also involved in Golgi fragmentation (PubMed:9268380, PubMed:9001210). 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:9268380, PubMed:9001210).

Cellular Location

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

Biotinylated Myt1-T495 Phospho Peptide - Images