

**Biotinylated Cdc25B-S187 Phospho Peptide**  
**Synthetic Peptide**  
**Catalog # SP2067b****Specification**

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**Biotinylated Cdc25B-S187 Phospho Peptide - Product Information**

Primary Accession [P30305](#)  
Sequence **Biotin-AGSGAAS(pS)SGEDKEN**

**Biotinylated Cdc25B-S187 Phospho Peptide - Additional Information**

**Gene ID** 994

**Other Names**

M-phase inducer phosphatase 2, Dual specificity phosphatase Cdc25B, CDC25B, CDC25HU2

**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 Cdc25B-S187 Phospho Peptide - Protein Information**

**Name** CDC25B

**Synonyms** CDC25HU2

**Function**

Tyrosine protein phosphatase which functions as a dosage- dependent inducer of mitotic progression (PubMed:<a href="http://www.uniprot.org/citations/1836978" target="\_blank">1836978</a>, PubMed:<a href="http://www.uniprot.org/citations/20360007" target="\_blank">20360007</a>). Directly dephosphorylates CDK1 and stimulates its kinase activity (PubMed:<a href="http://www.uniprot.org/citations/20360007" target="\_blank">20360007</a>). Required for G2/M phases of the cell cycle progression and abscission during cytokinesis in a ECT2-dependent manner (PubMed:<a href="http://www.uniprot.org/citations/17332740" target="\_blank">17332740</a>). The three isoforms seem to have a different level of activity (PubMed:<a href="http://www.uniprot.org/citations/1836978" target="\_blank">1836978</a>).

**Cellular Location**

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle pole

## **Biotinylated Cdc25B-S187 Phospho Peptide - Images**