

p27Kip1-S10 Phospho Peptide
Synthetic Peptide
Catalog # SP2008a**Specification**

p27Kip1-S10 Phospho Peptide - Product Information

Primary Accession [P46529](#)
Other Accession [P46414](#), [P46527](#), [O19001](#), [O60439](#)
Sequence [CNVRVSNG\(pS\)PSLERMD](#)

p27Kip1-S10 Phospho Peptide - Additional Information**Other Names**

Cyclin-dependent kinase inhibitor 1B, Cyclin-dependent kinase inhibitor p27, p27Kip1, CDKN1B

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.

p27Kip1-S10 Phospho Peptide - Protein Information

Name CDKN1B

Function

Important regulator of cell cycle progression (PubMed:8288131). Inhibits the kinase activity of CDK2 bound to cyclin A, but has little inhibitory activity on CDK2 bound to SPDYA (By similarity). Involved in G1 arrest (PubMed:8288131). Potent inhibitor of cyclin E- and cyclin A-CDK2 complexes. Forms a complex with cyclin type D-CDK4 complexes and is involved in the assembly, stability, and modulation of CCND1-CDK4 complex activation. Acts either as an inhibitor or an activator of cyclin type D-CDK4 complexes depending on its phosphorylation state and/or stoichiometry (By similarity).

Cellular Location

Nucleus. Cytoplasm. Endosome. Note=Nuclear and cytoplasmic in quiescent cells. Mitogen-activated UHMK1 phosphorylation on Ser-10 results in translocation to the cytoplasm and cell cycle progression Phosphorylation on Ser-10 facilitates nuclear export (By similarity) Colocalizes at the endosome with SNX6; this leads to lysosomal degradation (By similarity).

p27Kip1-S10 Phospho Peptide - Images