

Biotinylated Rb-like 1-S975 Phospho Peptide
Synthetic Peptide
Catalog # SP2033b**Specification**

Biotinylated Rb-like 1-S975 Phospho Peptide - Product Information

Primary Accession	Q64701
Other Accession	P28749
Sequence	Biotin-HIKQQPG(pS)PRRISQQ

Biotinylated Rb-like 1-S975 Phospho Peptide - Additional Information**Gene ID** 19650**Other Names**

Retinoblastoma-like protein 1, 107 kDa retinoblastoma-associated protein, p107, pRb1, Rb1

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 Rb-like 1-S975 Phospho Peptide - Protein Information**Name** Rb1**Function**

Key regulator of entry into cell division (By similarity). Directly involved in heterochromatin formation by maintaining overall chromatin structure and, in particular, that of constitutive heterochromatin by stabilizing histone methylation (PubMed:15750587). Recruits and targets histone methyltransferases KMT5B and KMT5C, leading to epigenetic transcriptional repression (PubMed:15750587). Controls histone H4 'Lys-20' trimethylation (PubMed:15750587). Probably acts as a transcription repressor by recruiting chromatin-modifying enzymes to promoters (PubMed:15750587). Potent inhibitor of E2F- mediated trans-activation (By similarity). May act as a tumor suppressor (By similarity).

Cellular Location

Nucleus.

Tissue Location

Highly expressed in fetal heart and liver. Expressed at low levels in all other fetal tissues except skeletal muscle. High levels in neonatal spleen and thymus with low levels in other tissues. In adult, highly expressed in testis. Barely detectable in other tissues

Biotinylated Rb-like 1-S975 Phospho Peptide - Images