

Bcl-2 BH3 Domain Peptide
Synthetic Peptide
Catalog # SP1005a**Specification**

Bcl-2 BH3 Domain Peptide - Product Information

Primary Accession	O02718
Other Accession	P10415
Sequence	PPVVHLTLRQAGDDFSRRYRRC

Bcl-2 BH3 Domain Peptide - Additional Information**Other Names**

Apoptosis regulator Bcl-2, BCL2

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.

Bcl-2 BH3 Domain Peptide - Protein Information**Name** BCL2**Function**

Suppresses apoptosis in a variety of cell systems including factor-dependent lymphohematopoietic and neural cells. Regulates cell death by controlling the mitochondrial membrane permeability. Appears to function in a feedback loop system with caspases. Inhibits caspase activity either by preventing the release of cytochrome c from the mitochondria and/or by binding to the apoptosis-activating factor (APAF-1). Also acts as an inhibitor of autophagy: interacts with BECN1 and AMBRA1 during non-starvation conditions and inhibits their autophagy function. May attenuate inflammation by impairing NLRP1- inflammasome activation, hence CASP1 activation and IL1B release.

Cellular Location

Mitochondrion outer membrane {ECO:0000250|UniProtKB:P10415}; Single-pass membrane protein. Nucleus membrane {ECO:0000250|UniProtKB:P10415}; Single-pass membrane protein. Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P10415}; Single-pass membrane protein. Cytoplasm {ECO:0000250|UniProtKB:P10417}

Bcl-2 BH3 Domain Peptide - Images