

NIP1 BH3 Domain Peptide
Synthetic Peptide
Catalog # SP1018a**Specification**

NIP1 BH3 Domain Peptide - Product InformationPrimary Accession
Sequence[O12981](#)
CDNLEKAELLQGGDLLRQRKTT**NIP1 BH3 Domain Peptide - Additional Information****Gene ID** 662**Other Names**

Vesicle transport protein SEC20, BCL2/adenovirus E1B 19 kDa protein-interacting protein 1, Transformation-related gene 8 protein, TRG-8, BNIP1, NIP1, SEC20L

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.

NIP1 BH3 Domain Peptide - Protein Information**Name** BNIP1**Synonyms** NIP1, SEC20L**Function**

As part of a SNARE complex may be involved in endoplasmic reticulum membranes fusion and be required for the maintenance of endoplasmic reticulum organization (PubMed: [15272311](http://www.uniprot.org/citations/15272311)). Also plays a role in apoptosis (PubMed: [7954800](http://www.uniprot.org/citations/7954800), PubMed: [15272311](http://www.uniprot.org/citations/15272311), PubMed: [23896122](http://www.uniprot.org/citations/23896122)). It is for instance required for endoplasmic reticulum stress-induced apoptosis (PubMed: [23896122](http://www.uniprot.org/citations/23896122)). As a substrate of RNF185 interacting with SQSTM1, might also be involved in mitochondrial autophagy (Probable).

Cellular Location

Endoplasmic reticulum membrane; Single-pass type IV membrane protein. Mitochondrion membrane; Single-pass type IV membrane protein. Note=Localization to the mitochondrion is

regulated by RNF186.

Tissue Location

Isoform 1 is highly expressed in heart, brain, liver skeletal muscle and pancreas. Isoform 3 is moderately expressed in placenta, lung and kidney. Isoform 4 is highly expressed in testis and small intestine.

NIP1 BH3 Domain Peptide - Images