

# **BNIP3L BH3 Domain Peptide**

Synthetic Peptide Catalog # SP1014a

# **Specification**

# **BNIP3L BH3 Domain Peptide - Product Information**

Primary Accession Q9Z2F7
Other Accession Q60238

Sequence GEKEVEALKKSADWVSDWSSR

# **BNIP3L BH3 Domain Peptide - Additional Information**

## **Gene ID 12177**

#### **Other Names**

BCL2/adenovirus E1B 19 kDa protein-interacting protein 3-like, NIP3-like protein X, NIP3L, Bnip3l, Nix

### **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.

## **BNIP3L BH3 Domain Peptide - Protein Information**

# Name Bnip3l

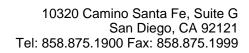
# **Synonyms Nix**

#### **Function**

Induces apoptosis. Interacts with viral and cellular anti- apoptosis proteins. Can overcome the suppressors BCL-2 and BCL-XL, although high levels of BCL-XL expression will inhibit apoptosis. Inhibits apoptosis induced by BNIP3. Involved in mitochondrial quality control via its interaction with SPATA18/MIEAP: in response to mitochondrial damage, participates in mitochondrial protein catabolic process (also named MALM) leading to the degradation of damaged proteins inside mitochondria. The physical interaction of SPATA18/MIEAP, BNIP3 and BNIP3L/NIX at the mitochondrial outer membrane regulates the opening of a pore in the mitochondrial double membrane in order to mediate the translocation of lysosomal proteins from the cytoplasm to the mitochondrial matrix (By similarity). May function as a tumor suppressor (By similarity).

# **Cellular Location**

Nucleus envelope. Endoplasmic reticulum. Mitochondrion outer membrane Membrane; Single-pass membrane protein Note=Colocalizes with SPATA18 at the mitochondrion outer membrane





**BNIP3L BH3 Domain Peptide - Images**