10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

BNIP3L BH3 Domain Peptide
Synthetic Peptide
Catalog # SP1014a

Specification

BNIP3L BH3 Domain Peptide - Product Information

Primary Accession	Q9Z2F7
Other Accession	O60238
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

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

BNIP3L BH3 Domain Peptide - Images