BNIP2 Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	BNIP2, Blocking Peptide
Full Product Name	BNIP2 Peptide - N-terminal region
Product Gene Name	BNIP2 blocking peptide
Product Synonym Gene Name	NIP2; BNIP-2
Sequence	Synthetic peptide located within the following region: KEEWQDEDFP IPLPEDDSIE ADILAITGPE DQPGSLEVNG NKVRKKLMAP
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	BNIP2 peptide (MBS3247947) is used for blocking the activity of BNIP2 antibody (MBS3223304)
Molecular Weight	43 kDa
OMIM	603292
Product Categories/Family for BNIP2 blocking peptide	Peptide
Related Product Information for BNIP2 blocking peptide	This is a synthetic peptide designed for use in combination with anti- BNIP2 Antibody, made Target Description: This gene is a member of the BCL2/adenovirus E1B 19 kd-interacting protein (BNIP) family. It interacts with the E1B 19 kDa protein, which protects cells from virally-induced cell death. The encoded protein also interacts with E1B 19 kDa-like sequences of BCL2, another apoptotic protector. Alternate splicing results in multiple transcript variants.
Other Notes	Small volumes of BNIP2 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for BNIP2 purchase	MBS3247947 is a blocking peptide targeting BNIP2. Also known as BNIP2 Peptide - N-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BNIP2. It may not necessarily be applicable to this product.

NCBI GI #	168480080
NCBI GeneID	663
NCBI Accession #	NP_001307604.1
UniProt Primary Accession #	Q12982
UniProt Related Accession #	Q12982
GenBank Nucleotide #	NM_001320675.1
NCBI Official Full Name	BCL2/adenovirus E1B 19 kDa protein-interacting protein 2 isoform 2
NCBI Official Synonym Full Names	BCL2 interacting protein 2

NCBI Official Symbol	BNIP2
NCBI Official Synonym Symbols	NIP2; BNIP-2
UniProt Protein Name	BCL2/adenovirus E1B 19 kDa protein-interacting protein 2
Protein Family	BCL2/adenovirus E1B 19 kDa protein-interacting protein
UniProt Gene Name	BNIP2
UniProt Synonym Gene Names	NIP2
UniProt Entry Name	BNIP2_HUMAN
NCBI Protein Information	BCL2/adenovirus E1B 19 kDa protein-interacting protein 2
NCBI Summary for BNIP2	This gene is a member of the BCL2/adenovirus E1B 19 kd-interacting protein (BNIP) family. It interacts with the E1B 19 kDa protein, which protects cells from virally-induced cell death. The encoded protein also interacts with E1B 19 kDa-like sequences of BCL2, another apoptotic protector. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]
UniProt Comments for BNIP2	BNIP2: Implicated in the suppression of cell death. Interacts with the BCL-2 and adenovirus E1B 19 kDa proteins. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Apoptosis; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 15q22.2 Cellular Component: intracellular membrane-bound organelle; perinuclear region of cytoplasm; cytoplasm; nuclear envelope; cytosol Molecular Function: identical protein binding; protein binding; calcium ion binding; GTPase activator activity Biological Process: muscle cell differentiation; apoptosis; positive regulation of muscle cell differentiation; positive regulation of GTPase activity; negative regulation of apoptosis
Research Articles on BNIP2	**1.** BNIP-2 is a kinesin-1 adapter involved in vesicular transportation in the cytoplasm and that association with cargos depends on interaction of the CRAL-TRIO domain with membrane phosphatidylserine.
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