BNIP1 Immunizing Blocking Peptide

PRODUCT OVERVIEW

Product Name	BNIP1, Blocking Peptide
Full Product Name	BNIP1 Immunizing Peptide
Product Gene Name	BNIP1 blocking peptide
Product Synonym Names	BNIP1; BCL2/adenovirus E1B 19kDa interacting protein 1; NIP1; SEC20; TRG-8; BCL2/adenovirus E1B 19kD interacting protein 1; BCL2/adenovirus E1B 19kD-interacting protein 1
Sequence	C-DLLRQRKT TKESLAQ
Species Reactivity	Human, Mouse, Rat
Form/Format	100ug of dried peptide
Preparation and Storage	Shipped at ambient temperature, store at -20 degree C
Antibody/Peptide Pairs	BNIP1 peptide (MBS425897) is used for blocking the activity of BNIP1 antibody (MBS421283)
Molecular Weight	27,333 Da
OMIM	603291
ISO Certification	Manufactured in an ISO 9001:2008 Certified Laboratory.
Related Product Information for BNIP1 blocking peptide	MBS425897 is a blocking peptide targeting BNIP1. Also known as BNIP1 Immunizing Peptide. Reactive in Human, Mouse, Rat.
Other Notes	Small volumes of BNIP1 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BNIP1. It may not necessarily be applicable to this product.

NCBI GI #	4502441
NCBI GeneID	662
NCBI Accession #	NP_001196.1
NCBI Related Accession #	NP_053581.1; NP_053582.1; NP_053583.1
UniProt Secondary Accession #	O75622; O75623; O75624; Q6K044; Q96FG4; D3DQM3; D3DQM4; D3DQM5; D3DQM6
UniProt Related Accession #	Q12981
GenBank Nucleotide #	NM_001205.1
NCBI Official Full Name	BCL2/adenovirus E1B 19kD interacting protein 1 isoform BNIP1
NCBI Official Synonym Full Names	BCL2/adenovirus E1B 19kDa interacting protein 1
NCBI Official Symbol	BNIP1
NCBI Official Synonym Symbols	NIP1; SEC20; TRG-8
UniProt Protein Name	Vesicle transport protein SEC20
UniProt Synonym Protein Names	BCL2/adenovirus E1B 19 kDa protein-interacting protein 1; Transformation-related gene 8 protein; TRG-8

Protein Family	Vesicle transport protein
UniProt Gene Name	BNIP1
UniProt Synonym Gene Names	NIP1; SEC20L; TRG-8
UniProt Entry Name	SEC20_HUMAN
NCBI Protein Information	vesicle transport protein SEC20
NCBI Summary for BNIP1	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. In addition, this protein is involved in vesicle transport into the endoplasmic reticulum. Alternative splicing of this gene results in four protein products with identical N- and C-termini. [provided by RefSeq, Mar 2011]
UniProt Comments for BNIP1	BNIP1: SNARE that may be involved in targeting and fusion of Golgi-derived retrograde transport vesicles with the ER. Required for maintenance of ER network. Implicated in the suppression of cell death. May be involved in mitochondrial autophagy. Belongs to the SEC20 family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Apoptosis Chromosomal Location of Human Ortholog: 5q33-q34 Cellular Component: cytoplasm; endoplasmic reticulum; endoplasmic reticulum membrane; integral to endoplasmic reticulum membrane; intracellular membrane-bound organelle; mitochondrion; nuclear envelope; SNARE complex Molecular Function: protein binding; SNAP receptor activity Biological Process: apoptosis; autophagy; endoplasmic reticulum membrane fusion; endoplasmic reticulum organization and biogenesis; negative regulation of apoptosis; retrograde vesicle-mediated transport, Golgi to ER
Research Articles on BNIP1	**1.** BNip1 functions as a downstream modulator of RNF186 to direct endoplasmic reticulum stress-associated apoptotic signaling.
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