Recombinant Human BNIP1

Cat. No. BNIP1-26754TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human BNIP1 with N terminal proprietary tag. Predicted MW 50.49 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	228 amino acids
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. 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.
Molecular Weight	50.490kDa inclusive of tags
Tissue specificity	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.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MAAPQDVHVRICNQEIVKFDLEVKALIQDIRDCSGPLSAL TELNTKVKEKFQQLRHRI QDLEQLAKEQDKESEKQLLLQE VENHKKQMLSNQASWRKANLTCKI
Sequence Similarities	Belongs to the SEC20 family.

GENE INFORMATION

Gene Name	BNIP1 BCL2/adenovirus E1B 19kDa interacting protein 1 [Homo sapiens]
Official Symbol	BNIP1
Synonyms	BNIP1; BCL2/adenovirus E1B 19kDa interacting protein 1; BCL2/adenovirus E1B 19kD interacting protein 1; vesicle transport protein SEC20; Nip1; SEC20;
Gene ID	662
mRNA Refseq	NM_001205
Protein Refseq	NP_001196
MIM	603291
Uniprot ID	Q12981
Chromosome Location	5q33-q34

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Pathway	SNARE interactions in vesicular transport, organism-specific biosystem; SNARE interactions in vesicular transport, conserved biosystem;
Function	protein binding;

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