

BNIP3L Protein, Human

Cat. No.:	HY-P75471
Synonyms:	BCL2/adenovirus E1B 19 kDa protein-interacting protein 3-like; NIP3L; BNIP3L; BNIP3A; BNIP3H; NIX
Species:	Human
Source:	E. coli
Accession:	NP_004322.1 (S2-K187)
Gene ID:	665
Molecular Weight:	Approximately 32-36 kDa

PROPERTIES

AA Sequence	<pre> S S H L V E P P P P L H N N N N N C E E N E Q S L P P P A G L N S S W V E L P M N S S N G N D N G N G K N G G L E H V P S S S S I H N G D M E K I L L D A Q H E S G Q S S S R G S S H C D S P S P Q E D G Q I M F D V E M H T S R D H S S Q S E E E V V E G E K E V E A L K K S A D W V S D W S S R P E N I P P K E F H F R H P K R S V S L S M R K S G A M K K G G I F S A E F L K </pre>
Appearance	Lyophilized powder
Formulation	Lyophilized from sterile 50 mM Tris-HCL, 300 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>The BNIP3L Protein is a member of the pro-apoptotic subfamily within the Bcl-2 family, featuring a BH3 domain and the ability to bind to Bcl-2. This protein exerts its pro-apoptotic effects by directly targeting mitochondria, leading to apoptotic changes such as the loss of membrane potential and the release of cytochrome c. Its role in the regulation of apoptosis suggests its involvement in crucial cellular processes. The gene displaying ubiquitous expression, with prominent levels in fat (RPKM 69.4), ovary (RPKM 49.9), and 24 other tissues, underscores its potential significance in diverse physiological contexts across various organs.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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