

Recombinant Human BNIP2, His-tagged

Cat. No. BNIP2-45H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BCL2/Adenovirus E1B 19 kDa Protein-Interacting Protein 3/BNIP3 is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Lys163) of Human BNIP3 fused with a His tag at the N-terminus.
Species	Human
Source	E.coli
ProteinLength	1-163 a.a.
Description	BCL2/Adenovirus E1B 19 kDa Protein-linteracting Protein 3 (BNIP3) is a single-pass membrane protein. BNIP3 is a member of the NIP3 family. BNIP3 contains a single Bcl-2 homology 3 domain and interacts with the E1B 19 kDa protein. BNIP3 have been associated with pro-apoptotic function. BNIP3 is an apoptosis-inducing protein that can overcome BCL2 suppression. It plays a role in repartitioning calcium between the two major intracellular calcium stores in association with BCL2. BNIP3 involved in mitochondrial quality control via its interaction with SPATA18/MIEAP, response to mitochondrial damage, participates to mitochondrial protein catabolic process.
Form	Supplied as a 0.2 µM filtered solution of PBS, pH 7.4
AA Sequence	MNHKVVHHHHHMSQNGAPGMQEESLQGSWVELHFSNNGNGGSPASVSIYNGD MEKILLDAQHES GRSSSKSSHCDSPPRSQTPQDTNRASETDTHSIGEKNSSQSEED

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DIERRKEVESILKKNSDWIWD WSSRPENIPPKEFLFKHPKRTATLSMRNTSVMKKG
GIFSAEFLKVFLLSRPAV

Endotoxin Less than 0.1 ng/μg (1 IEU/μg).

Purity Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

Storage Store at Please minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name [BNIP2 BCL2/adenovirus E1B 19kDa interacting protein 2 \[Homo sapiens \]](#)

Official Symbol BNIP2

Synonyms BNIP2; BCL2/adenovirus E1B 19kDa interacting protein 2; BCL2/adenovirus E1B 19kD interacting protein 2; BCL2/adenovirus E1B 19 kDa protein-interacting protein 2; BNIP 2; Nip2; NIP2; BNIP-2;

Gene ID [663](#)

mRNA Refseq [NM_004330](#)

Protein Refseq [NP_004321](#)

MIM [603292](#)

UniProt ID [Q12982](#)

Chromosome Location 15q21.3

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Pathway

CDO in myogenesis, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Myogenesis, organism-specific biosystem;

Function

GTPase activator activity; calcium ion binding; protein binding;

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