

Product datasheet for SC317709

BNIP2 (NM_004330) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	BNIP2
Synonyms:	BNIP-2; NIP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317709 representing NM_004330. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTGTGTGGGTTTCAAGAAGACGCCACGCTCCGCCGCCGCGCCCGCCGCTCCACCGCCGG
CTGCCCGCCCGGAGGAGGTCGGGATGTTATCACTTCCGCCGGGGCTTCTCACTGTGTCCGGGTACAGT
GCTGCCCGCCGACGCGTACCGCTGCCGCCGGGGATTGGCCGGGGTCTCCACCGCCGACCGAGGGGAG
CGGGCTCCGCTCGGCCCTGCTTTTTCGACCTGGCCGTGAGCCCGACGTCGCCGCCGCTGGAGGGGCGAA
GAGGACGAGGGGGCCAAGGCTTCCTCCGGGGACATTGGCTCCCTGGATTATCAAGAGTTTGTAGTTGAC
ATTGAATCCAGGCTGAGGATGGAAGGTGTGGAACCTAAAGAAGAATGGCAAGATGAAGATTTCCGATA
CCTTTACCAGAAGATGATAGTATTGAAGCAGATATACTAGCTATAACTGGACCAGAGGACCAGCCTGGC
TCACTAGAAGTTAATGGAATAAAGTGAGAAAGAACTAATGGCTCCAGACATTAGCCTGACACTGGAT
CCTAGTGATGGCTCTGTATTGTCAGATGATTTGGATGAAAGTGGGAGATTGACTTAGATGGCTTAGAC
ACACCGTCAGAGAATAGTAATGAGTTTGTAGTGGGAAGATGATCTTCCAAACCCCAAGACTACTGAAGTA
ATTAGGAAAGGCTCAATTACTGAATACACAGCAGCAGAGGAAAAAGAGATGGACGACGCTGGCGTATG
TTCAGGATTGGAGAACAGGACCACAGGTTGATATGAAGCAATTGAACCTATAAAAAAGTTATCAGC
CATGGGGATATTATGGGGATGGATTAAATGCCATTGTTGTGTTGCTGTCTGTTTCATGCCTGAAAGT
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GTAGCAGAAAACTACATGATAGTTTATTTAAATGGTGCAACAACCTGAAGAAAAATGCCAGTCTGGGA
TGGCTCAGGAAATGTTATCAGCAAATTGATAGAAGTTACGAAAAATCTAAAAATCCCTAATCATTTGTA
CATCCTTCTTGTTTATCAGAACACTCTGGCTGTTACAAGACATTTATTAGCTCGAAATTCAGCCAA
AAAATTAGATACGTGTTTAATTTGGCAGAACTAGCAGAACTTGCCCCATGGAATACGTTGGCATACCA
GAATGCATAAAACAAGTTGATCAAGAACTTAATGGAACAAGATGAACCGAAAAATGAACAGTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

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Restriction Sites:	Sgfl-MluI
ACCN:	NM_004330
Insert Size:	1308 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_004330.3</u>
RefSeq Size:	6355 bp
RefSeq ORF:	1308 bp
Locus ID:	663
UniProt ID:	<u>Q12982</u>
Cytogenetics:	15q22.2
Domains:	SEC14
MW:	48.8 kDa

Gene Summary:

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]

Transcript Variant: This variant (2) lacks an exon in the 3' coding region compared to variant 1. The encoded isoform (2) is shorter than isoform 1.